20020411.qrp v02_n522.qrl.20020411

Date: Thu, 11 Apr 2002 19:03:12 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2522

QRP-L Digest 2522

Topics covered in this issue include:

  1) [124365] WB3GCK/P in Delaware
     by Craig LaBarge <LaBarge_C@compuserve.com>
  2) [124366] Re: Stop All 4XA through 4XZ QSOs
     by "John L. Sielke" <w2agn@w2agn.net>
  3) [124367] Re: WB3GCK/P in Delaware
     by "John L. Sielke" <w2agn@w2agn.net>
  4) [124368] Ham Radio 101 course
     by K5BDZ@aol.com
  5) [124369] Re: Stop All 4XA through 4XZ QSOs - NO WAY
     by "w8diz" <w8diz@fpqrp.com>
  6) [124370] Re: SMT parts
     by John Wagner <john@wagner-usa.net>
  7) [124371] ot - ootc
     by K1zw@webtv.net (Larry B)
  8) [124372] Re: Stop All 4XA through 4XZ QSOs
     by Bill ROWLETT <kc4atu@yahoo.com>
  9) [124373] Re: Stop All 4XA through 4XZ QSOs
     by Arthur Moe <kb7ww@easystreet.com>
 10) [124374] Re: Newbie Needs Help
     by "Robin Kidd" <robink@us.ibm.com>
 11) [124375] Re: Stop All 4XA through 4XZ QSOs
     by "KU4YP" <ku4yp@earthlink.net>
 12) [124376] Re: [TenTec] Re: Remote Pegasus, RS-232 line lengths
     by "KD5NWA" <KD5NWA@mbayona.com>
 13) [124377] Re: Stop All 4XA through 4XZ QSOs
     by "George, W5YR" <w5yr@att.net>
 14) [124378] Re: Helical Conical working
     by "Stuart Rohre" <rohre@arlut.utexas.edu>
 15) [124379] Re: Newbie Needs Help
     by "Robin Kidd" <robink@us.ibm.com>
 16) [124380] Linda Smith...
     by Jim Eshleman <jce0@Lehigh.EDU>
 17) [124381] Need FT-707 info
     by Pete Burbank <plburbank@kih.net>
 18) [124382] Tower Offer!
     by "Dave" <wr3i@earthlink.net>
 19) [124383] Mains Communication Interference.

    by "Graeme Zimmer" <gzimmer@bigpond.com>
 20) [124384] Helical Conical Antenna
    by lenny wintfeld <w2bvh@comcast.net>
 21) [124385] Re: Cone .. orientation of wire pairs
    by "Stuart Rohre" <rohre@arlut.utexas.edu>
 22) [124386] OK the text art came out partially correct showing the Folded Helical Conical Cone wire arrangement
    by "Stuart Rohre" <rohre@arlut.utexas.edu>
 23) [124387] Ft-707 query
    by Pete Burbank <plburbank@kih.net>
 24) [124388] The Conical Antenna monopole wires and the marble track
    by "Stuart Rohre" <rohre@arlut.utexas.edu>
 25) [124389] FT-707
    by Pete Burbank <plburbank@kih.net>
 26) [124390] Mains Communication Interference
    by "Graeme Zimmer" <gzimmer@bigpond.com>
 27) [124391] NEQRP CW Net, Thursday 11 April 2002, 8:30 PM EST, 3.565 MHz
    by Chuck Ludinsky <cludinsky@attbi.com>
 28) [124392] Re: OHR-100
    by Lew Paceley <lew@paceley.com>
 29) [124393] The Norcal Nor'Easter, politics and religion
    by Steven Weber <kd1jv@moose.ncia.net>
 30) [124394] Re: The Norcal Nor'Easter, politics and religion
    by "Brian Murrey" <brian@iquest.net>
 31) [124395] Re: Need FT-707 info
    by IamSF5@aol.com
 32) [124396] This list is fantastic
    by Pete Burbank <plburbank@kih.net>
 33) [124397] Re: The Norcal Nor'Easter, politics and religion
    by Ted Kell <tedkell@ev1.net>
 34) [124398] Anderson Power Pole Connectors new ARES standard
    by "Stuart Rohre" <rohre@arlut.utexas.edu>
 35) [124399] Something non political for a change! Good kit choices for a beginner
    by "Stuart Rohre" <rohre@arlut.utexas.edu>
 36) [124400] Homebrew Sprint + Doc and XR0X on 30m
    by Ade Weiss W0RSP <aweiss@usd.edu>
 37) [124401] WAS: Stop All 4XA...
    by Ade Weiss W0RSP <aweiss@usd.edu>
 38) [124402] DDS VFO Update...
    by "Trevor Jacobs" <fxtech@earthlink.net>
 39) [124403] AOL 7.0 Tin Project?
    by "Dave Fifield" <dave@redhotradio.com>
 40) [124404] Re: The Norcal Nor'Easter, politics and religion
    by David Hinerman <WD8CIV@worldnet.att.net>
 41) [124405] Re: Something non political for a change! Good kit choices for a beginner
    by Pete Burbank <plburbank@kih.net>

42) [124406] Test for empty message
    by "Robin Kidd" <robink@us.ibm.com>
43) [124407] [CONTEST] N2CQ QRP Contest Calendar - Apr 13-28
    by Ken Newman <N2CQ@dandy.net>
44) [124408] argonaut description request
    by Gary Lee <kb9zuv@arrl.net>
45) [124409] RE:TT Argonaut desc. req.
    by WE7X@aol.com
46) [124410] The Norcal Nor'Easter, etc
    by "Tony Fishpool" <tony@g4wif.fsnet.co.uk>
47) [124411] The Norcal Nor'Easter, etc
    by "Tony Fishpool" <tony@g4wif.fsnet.co.uk>
48) [124412] Re: ANAZING ANTENNA DISCOVERY
    by Bill Coleman <aa4lr@arrl.net>
49) [124413] Re: Newbie Needs Help
    by "Bob Tellefsen" <n6wg@earthlink.net>
50) [124414] OHR-100
    by juan ferrari <puntrad@usa.net>
51) [124415] Getting ready for the Nor`Easter
    by "Bill Jones" <kd7s@psnw.com>
52) [124416] Re: SMT parts
    by "Bob Tellefsen" <n6wg@earthlink.net>
53) [124417] RE: Newbie Needs Help & An Antenna
    by "Karl Kanalz" <kkanalz@gcecisp.com>
54) [124418] Re: Getting ready for the Nor`Easter
    by David Hinerman <WD8CIV@worldnet.att.net>
55) [124419] Re: Electrically Short Antenna with MUCH Better Efficiency
    by "w6toy" <w6toy@erols.com>
56) [124420] info: SSB kits?
    by WE7X@aol.com
57) [124421] Re: SSB kits?
    by "John Dorson" <jdorson@Worldshare.net>
58) [124422] Re: Getting ready for the Nor`Easter
    by "Alan Kaul" <alan.kaul@worldnet.att.net>
59) [124423] RE: Getting ready for the Nor`Easter
    by Mark Schoonover <schoon@amgt.com>
60) [124424] Last Posting: FS/FT QRP+/COMPANION/TT-1202/MIC
    by ARDUJENSKI@aol.com
61) [124425] Siliconpixels DSP
    by "Tracy Markham" <tracy@bytemark.com>
62) [124426] DDS Pictures...
    by "Trevor Jacobs" <fxtech@earthlink.net>
63) [124427] Re: Getting ready for the Nor`Easter
    by "Mark J. Dulcey" <mark@buttery.org>
64) [124428] RE: Getting ready for the Nor`Easter
    by "Karl Kanalz" <kkanalz@gcecisp.com>
65) [124429] RE: Getting ready for the Nor`Easter
    by Mark Schoonover <schoon@amgt.com>

66) [124430] Re: info: SSB kits?
    by Dave Sjolin <sjolin@swbell.net>
67) [124431] RE: Getting ready for the Nor`Easter
    by Mark Schoonover <schoon@amgt.com>
68) [124432] Re: SSB kits?
    by "Mike Yetsko" <myetsko@insydesw.com>
69) [124433] Cutting PCB Material
    by "Kory Hamzeh" <kory@avatar.com>
70) [124434] Weird one for you...
    by <jhisson1@columbus.rr.com>
71) [124435] Re: Weird one for you...
    by "carl seyersdahl" <carlseye@tampabay.rr.com>
72) [124436] Re: Cutting PCB Material
    by David Hinerman <WD8CIV@worldnet.att.net>
73) [124437] bbc freq
    by Gary Lee <kb9zuv@arrl.net>
74) [124438] Re: Weird one for you...
    by "Mike Yetsko" <myetsko@insydesw.com>
75) [124439] Re: Cutting PCB Material
    by "Mike Yetsko" <myetsko@insydesw.com>
76) [124440] Re: Cutting PCB Material
    by "Tim, N9PUZ" <N9PUZ@arrl.net>
77) [124441] Re: Cutting PCB Material
    by "Dan Hogan" <dhhogan1@earthlink.net>
78) [124442] Re: AOL 7.0 Tin Project?
    by "Darrel E. Jones" <wd6bor@vom.com>
79) [124443] Re: DDS Pictures...
    by "Bill, N4QA" <n4qa@hotmail.com>
80) [124444] Re: Getting ready for the Nor`Easter
    by Mighty Mik <mightymik2@attbi.com>
81) [124445] Re: Cutting PCB Material
    by "Donald Dorn" <DDORN@CWIS.NET>
82) [124446] Interesting Site (HB, Electronic Knowledge, &c.)
    by "Brad Hernlem" <alihernlem@hotmail.com>
83) [124447] Re: AOL 7.0 Tin Project?
    by David Hinerman <WD8CIV@worldnet.att.net>
84) [124448] Re: Getting ready for the Nor`Easter
    by "K7FD N7SG" <k7fd@hotmail.com>
85) [124449] Re: Cutting PCB Material
    by Pete Burbank <plburbank@kih.net>
86) [124450] Re: AOL 7.0 Tin Project?
    by Steve Smith <sigcom@juno.com>
87) [124451] Re: ANAZING ANTENNA DISCOVERY
    by "Gordon Couger" <gcouger@provalue.net>
88) [124452] RE: AOL 7.0 Tin Project?
    by "S. Bryan Williams" <sbw1@enter.net>
89) [124453] Re: Cutting PCB Material
    by "Tom" <kf4yyd@adelphia.net>

 90) [124454] Re: Antennas for Field Days
     by Bill Coleman <aa4lr@arrl.net>
 91) [124455] Re: Cutting PCB Material
     by "Leon Heller" <leon_heller@hotmail.com>
 92) [124456] RE: Cutting PCB Material
     by "Ray Goff" <radioham@gmx.co.uk>
 93) [124457] Re: DDS Pictures...
     by "Trevor Jacobs" <fxtech@earthlink.net>
 94) [124458] RE: Cutting PCB Material
     by Conrad Weiss <radman@best.com>
 95) [124459] AOL 7.0 Tin Project? -- [Batteries for]
     by Chuck Carpenter <w5usj@9plus.net>

Date: Wed, 10 Apr 2002 19:01:56 -0400
From: Craig LaBarge <LaBarge_C@compuserve.com>
To: "EPA-QRP@yahoogroups.com" <EPA-QRP@yahoogroups.com>,
        QRP-L Mailing List <qrp-l@lehigh.edu>
Subject: [124365] WB3GCK/P in Delaware
Message-ID: <200204101902_MC3-F944-A0D3@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
         charset=ISO-8859-1
Content-Disposition: inline

This weekend, April 12-14, I will be conducting an expedition to that
mysterious, uncharted territory known as Delaware. Actually, I'll be
hauling my pop-up camper down to Lum's Pond State Park (New Castle County=
)
and I should be on the air on and off over the weekend.

On Saturday and Sunday morning, look for me on 40 meters (near 7.040MHz)
from approximately 1200Z-1400Z. Later in the day (Friday & Saturday), lo=
ok
for me either on 30 meters (near 10.116MHz) or 15 meters (near 21.060MHz)=
.

QSL via the callbook.

73, Craig WB3GCK

Date: Wed, 10 Apr 2002 19:10:54 -0400
From: "John L. Sielke" <w2agn@w2agn.net>
To: N8IE <n8ie@woh.rr.com>,

Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [124366] Re: Stop All 4XA through 4XZ QSOs
Message-ID: <02041019105405.02228@jsielke>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

On Wednesday 10 April 2002 18:28, N8IE wrote:
> Linda,
> Take this crap to the newsgroups where it belongs before we declare Jihad
> on you.
>
> 72, oo
> Dan, N8IE
> FPqrp #-6, QRP-l #1404, FISTS #4985

--

You guys know me, always ready for a (good-natured) discussion. Seriously,
though, this stupid bitch does not deserve the dignity of ANY reply.

      John L Sielke   W2AGN
         w2agn@w2agn.net
      http://www.w2agn.net
         Trustee: W3IYQ

When you do a good deed get a receipt just in case heaven is like
the IRS.

Date: Wed, 10 Apr 2002 19:12:08 -0400
From: "John L. Sielke" <w2agn@w2agn.net>
To: Craig LaBarge <LaBarge_C@compuserve.com>,
        Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [124367] Re: WB3GCK/P in Delaware
Message-ID: <02041019120806.02228@jsielke>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

On Wednesday 10 April 2002 19:01, Craig LaBarge wrote:
> This weekend, April 12-14, I will be conducting an expedition to that
> mysterious, uncharted territory known as Delaware. Actually, I'll be
> hauling my pop-up camper down to Lum's Pond State Park (New Castle County)
> and I should be on the air on and off over the weekend.
>
> On Saturday and Sunday morning, look for me on 40 meters (near 7.040MHz)
> from approximately 1200Z-1400Z. Later in the day (Friday & Saturday), look

> for me either on 30 meters (near 10.116MHz) or 15 meters (near 21.060MHz).
>
> QSL via the callbook.
>
> 73, Craig WB3GCK

--

Don't forget, this is the QRP ARCI Spring QSO Party. I bet you could win for
DE if you make 2 QSOs and send in your log!

      John L Sielke   W2AGN
         w2agn@w2agn.net
      http://www.w2agn.net
         Trustee: W3IYQ

When you do a good deed get a receipt just in case heaven is like
the IRS.

Date: Wed, 10 Apr 2002 19:20:50 EDT
From: K5BDZ@aol.com
To: GQRP@yahoogroups.com, hqrp@stevens.com, qrp-l@lehigh.edu,
        tentec@contesting.com
Cc: wn3vaw@fyi.net
Subject: [124368] Ham Radio 101 course
Message-ID: <146.caa95b5.29e622d2@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

For those who thought the hardest part of Ham Radio 101 was passing the
novice written exam, let alone (Heaven forbid) the constant conversion from
feet and inches to the metric system, including all its Newtons, Joules, and
Watts, here are some other useful conversions:

Pick the one(s) that are correct -

Ratio of an igloo's circumference to its diameter:
Eskimo Pi

2000 pounds of Chinese soup:
Won ton

1 millionth of a mouthwash:
1 microscope

Time between slipping on a peel and smacking the pavement:
1 bananosecond

Weight an evangelist carries with God:
1 billigram

Time it takes to sail 220 yards at 1 nautical mile per hour:
Knot-furlong

65.25 days of drinking low-calorie beer because it's less filling:
1 lite year

16.5 feet in the Twilight Zone:
1 Rod Serling

Half of a large intestine:
1 semicolon

1000 aches:
1 megahurtz

Basic unit of laryngitis:
1 hoarsepower

Shortest distance between two jokes:
A straight line

454 graham crackers:
1 pound cake

1 million-million microphones:
1 megaphone

1 million bicycles:
2 megacycles

2000 mockingbirds:
two kilomockingbirds

10 cards:
1 decacards

1 kilogram of falling figs:
1 Fig Newton

1000 grams of wet socks:
1 literhosen

1 millionth of a fish:
1 microfiche

1 trillion pins:
1 terrapin

10 rations:
1 decoration

100 rations:
1 C-ration

2 monograms:
1 diagram

8 nickels:
2 paradigms

2.4 statute miles of intravenous surgical tubing at Yale University
Hospital:
1 I.V. League

100 Senators:
Not 1 decision.

Bill K5BDZ

Date: Wed, 10 Apr 2002 19:34:52 -0400
From: "w8diz" <w8diz@fpqrp.com>
To: <qrp-l@Lehigh.EDU>
Subject: [124369] Re: Stop All 4XA through 4XZ QSOs - NO WAY
Message-ID: <007101c1e0e8$50446a60$39d81b41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, I must say something... :(

Linda made a comment and she met her objective.
She even got me to add to her posting :(

Next time we read a similar, non-qrp, irrelevant email,
politics, religion or whatever, just place it in your
trash bin.

Do not respond.

-Diz, W8DIZ ...reluctantly hitting the send button...

Date: Wed, 10 Apr 2002 19:33:07 -0400
From: John Wagner <john@wagner-usa.net>
To: <lmairs@cox.rr.com>,
        Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [124370] Re: SMT parts
Message-ID: <B8DA43F2.1A26%john@wagner-usa.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

I store them on the tape whenenver possible. Sometimes I'll cut them up into
tape lengths of 20 or so and store them in a small zip lock bag, which I'll
then label with a sticker. As you work with them more you'll start tossing
'em around like big 'ol leaded parts. The 1206 size are HUGE to me now. ;)

73,

John, N1QO

> From: "Lee Mairs" <lmairs@cox.rr.com>
> Reply-To: lmairs@cox.rr.com
> Date: Wed, 10 Apr 2002 17:15:54 -0400
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Subject: SMT parts
>
> N1QO's SMT parts arrived today in all there glory. This new technology is
> really something. Usually, it takes a week or two for a Dan's or Mouser
> order to become a scrambled rat's nest. These SMT parts come that way!
>
> Now comes the hard part - identifying them and figuring out how to store
> them. Any brilliant suggestions for the storage problem? The nice 60
> drawer plastic cabinet I bought at Sears today seems like over-kill...
> 73 de Lee
> km4yy
>
>

Date: Wed, 10 Apr 2002 18:41:33 -0500 (CDT)
From: K1zw@webtv.net (Larry B)
To: qrp-l@lehigh.EDU
Subject: [124371] ot - ootc
Message-ID: <2161-3CB4CDAD-37@storefull-2317.public.lawson.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)

Just received my ootc nr# 4082 .Boy , where did the years go ?

K1zw
Larry
Qcwa

Date: Wed, 10 Apr 2002 16:43:32 -0700 (PDT)
From: Bill ROWLETT <kc4atu@yahoo.com>
To: lindaksmith@email.com,
        Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [124372] Re: Stop All 4XA through 4XZ QSOs
Message-ID: <20020410234332.51766.qmail@web14203.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Oh boy, when you open a can of worms, go first class.
A little history is in order here. The Palestinians
have started every war action in the area. They do not
want an Israeli State next to them. Every battle and
this one now is about driving the Israelies into the
sea. They want all or nothing. Does not make for much
to discuss around the table.

The Israelies are fighting to keep their State which
was formed in 1948 by the UN. All of the other
independent states were formed at the same time. There
was then no Palestinian State formed.

The Israelies have offered several times to give the
Palestinians there own land, put have been refused
each time.

Before one comments on who the bad guys are, be sure
that you have all the facts and not just what the mass
media wants us to hear.

Sorry for the bandwidth and the nature of the post,
but you need the facts.

73, Bill KC4ATU

_____
Do You Yahoo!?
Yahoo! Tax Center - online filing with TurboTax
http://taxes.yahoo.com/

Date: Wed, 10 Apr 2002 23:49:11 +0000
From: Arthur Moe <kb7ww@easystreet.com>
To: lindaksmith@email.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [124373] Re: Stop All 4XA through 4XZ QSOs
Message-ID: <3CB4CF77.B9722870@easystreet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ms Smith,

(SOAP BOX ON)

Where were you the last few years while the suicide bombers were delivering
their brutality to the people of Israel, Jew's and Arab's alike???????

As others have stated this is NOT the forum for this.

(SOAP BOX OFF)

Art
KB7WW

Linda Smith wrote:
>

> Due to Israeli brutality towards Palestinians I am asking all amateurs to discontinue QSOs, and QSLing, with any station from Israel.
>
> This is a great opportunity for American amateurs to do something meaningful for our country by sending a clear, international message that we, as a community of radio operators, will no longer recognize rogue states like Israel that insist on stealing territory and taking lives.
>
> I also believe that such a message will bring hope to all the Americans who wish that our government would stop sending billions of dollars and thousands of weapons to Israel for use against the Palestinian people.
>
> Your help in boycotting communications with Israel would be very much appreciated by all caring Americans.
>
> God bless America and thank you for taking a stand!
>
> Linda
>
> --
>
> _____
> Sign-up for your own FREE Personalized E-mail at Email.com
> http://www.email.com/?sr=signup

Date: Wed, 10 Apr 2002 19:51:45 -0400
From: "Robin Kidd" <robink@us.ibm.com>
To: qrp-l@Lehigh.EDU
Subject: [124374] Re: Newbie Needs Help
Message-ID: <OFB9DCA772.2657730E-ON85256B97.0082F482@raleigh.ibm.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

Thank-you to all of you that responded to my questions. Thanks in particular to John Wagener.

Regards,

Robin J. Kidd
KG4RSQ
Network Engineer
IBM Learning Services

Remember, the Ark was created by inspired amateurs but the Titanic was created by professionals...

kg4rsq@arrl.net

Date: Wed, 10 Apr 2002 19:45:09 -0400
From: "KU4YP" <ku4yp@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [124375] Re: Stop All 4XA through 4XZ QSOs
Message-ID: <001901c1e0e9$c144d500$53581b3f@ku4yp>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

<sigh>

    when do the 20meter fox hunts start?

73 de KU4YP   "There is no spoon........."
Mike Prevatt
Willow Oak, Florida
Amateur Radio Operator
Active HF/VHF/UHF/Digital/QRP
Homepage: http://home.earthlink.net/~ku4yp

Date: Wed, 10 Apr 2002 18:53:51 -0500
From: "KD5NWA" <KD5NWA@mbayona.com>
To: <qrp-l@Lehigh.EDU>
Subject: [124376] Re: [TenTec] Re: Remote Pegasus, RS-232 line lengths
Message-ID: <004601c1e0ea$fc8e7c50$a033010a@cbayona>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I was wondering myself, if they were talking about a "New" RS232, I also
have similar experience where we have run RS232 for hundreds of feet (using
shielded cable) and running high baud (56K or higher) rates and have never
experienced any problems. The audio feeds are something else altogether and
here is where you need high quality cable and careful grounding to keep hum
and RF out.

Cecil

KD5NWA

----- Original Message -----
From: "Larry Kayser" <kayser@sympatico.ca>
To: <tentec@contesting.com>
Sent: Wednesday, April 10, 2002 6:20 PM
Subject: [TenTec] Re: Remote Pegasus, RS-232 line lengths

> Greetings All.
>
> IF and it is an IF the RS-232 is fully implemented, at least + and - 12V
on
> transmit and a full receiver, ie 1488/1489 pair, then it is very
surprising
> how far one can go with RS-232.
>
> I have done it inside factories at over 800 ft regularly and I run an
> RS-232 line into a RG-59 Coax here on my Island qth and it goes for over
> 1200 ft with excellent results at 4800 bps.
>
> It is good to see everyone who tries running a Pegasus or any form or
radio
> over a LAN (or the Internet) is hurt by the latency and absolute delay
> issues, this is NOT an issue if one uses standard PC MODEM's and runs over
> the telephone switched network.
>
> Good Luck to everyone doing things new ways....
>
> 73
> Larry
> VA3LK
>
> _____
> TenTec mailing list
> TenTec@contesting.com
> http://lists.contesting.com/mailman/listinfo/tentec

Date: Wed, 10 Apr 2002 18:59:30 -0500
From: "George, W5YR" <w5yr@att.net>
To: kc4atu@yahoo.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [124377] Re: Stop All 4XA through 4XZ QSOs
Message-ID: <3CB4D1E2.C0BFE3A6@att.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

NO MORE, PLEASE!!

73/72/oo, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437

All outgoing email virus-checked by Norton Anti-Virus 2002

Bill ROWLETT wrote:
>
> Oh boy, when you open a can of worms, go first class.

Date: Wed, 10 Apr 2002 19:13:42 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "Steven Weber" <kd1jv@moose.ncia.net>
Cc: <qrp-l@Lehigh.EDU>
Subject: [124378] Re: Helical Conical working
Message-ID: <001501c1e0ed$bd58a9e0$4e100a0a@rohredt2000>

Steven, those are good basic questions on the helical conical.

OK let me see if I can start at the major points. I just posted an answer to Joe Vicente and the list, which will cover most of your points. Please read that post, and here are more details:

 You asked why a cone, not a cylinder? Well, the whole key to getting good radiation efficiency, and to not block one part of the monopoles by others, is the cone and the slant winding. As you will notice doing one, you have the outer no. 10 wire in the clear, to radiate the whole way. It is clear on three sides, since the slant of the cone, moves each turn out from the others as you go toward the wide end. You get a short antenna, as a cone surface can contain the four quarter wave elements in a shorter axial height than a full size monopole, but the primary advantage is moving each successive turn of the monopole out where it can radiate on three sides. It would only have one side to radiate on a cylinder. The adjacent monopole would interact more.

Now, important point. The feed end is the small cone end, and the no. 10 wire(s) goes to coax shield and the ground plane junction, (or radials

junction, if used in place of plane). The small end no. 12 wire(s) all solder together above the coax connector, and you leave one wire longer to make the junction with the center of the coax connector. One of the issues to explore is would it work if you had the smaller wire as the outer wire, I have to ask Rogers if he modeled that.

To get a match to 50 Ohms, you HAVE to use no. 10 outer cone wire, and no. 12 for inner cone wire, ie each pair has to have one 10, and one 12 beside it. That sets up the RF impedance transformation needed. And to further match to 50 ohms, there have to be four monopoles, each a pair of one 10 and one 12 gauge. Of course, you can get close with other geometric combinations that preserve the transformation ratio. But, you have higher loss resistance with smaller wires.

The type of insulation on the wires is bound to be a factor, I think, but the 10m prototypes at the 13 inch axis height, (12 inch slant height) have used, to date, thick plastic insulation on the no. 10, and magnet wire no. 12 with enamel insulation.
(Formvar).

Don't worry, all that other insulations will do is affect the resonant length of the monopole wire pair, so that is why I say start with length longer than a quarter wave, trial wind it up the cone, and then check resonance, and cut to band segment you want. I hope you can lay on one monopole, and cut it to resonate, and replicate three identical and still end up close to where you want to be. Many things to still nail down, so it is an experimenters heyday!

OK, let us revisit winding on elements. Wind on first turn, lets say start with fold end of monopole one, at wide end of cone at the "North" position. As you spiral up keeping the pair as close to horizontal at the supports as you can, you will get one turn completely around. Now 12 inches around the 16 inch end, (quarter way around the 48 inch circumference) start with fold end of monopole two. That would be at say "East" on the circumference circle. Wind same direction as you went with monopole one, and beside turn one of monopole one, (above it on cone surface) when you reach it. Now advance 12 more inches at the 16 inch end, and start monopole three, turn one. Going in consistent same direction as first two, wind until you pass turn one of no. two, and then turn one of no. one, and turn one of no. three monopole is going to be higher on slant height than turns one of monopole two, and below it monopole one. Hope that is clear, the lines lay next to each other, first turns next to first turns until four are done, and then the second turn of first monopole gets laid up the slant of each support, then the second turn of monopole two, and so on.

Don't worry about the inconsistency in spacing of smaller gauges; that will be true if you wind a cone that is only 6 inches high, and we can only suggest prestretching the wires, to get them perfectly straight which is

best efficiency, but we are getting 60 per cent with a two monopole 6 inch high model for 10m now, with terrible wire straightness, and done as a pyramid rather than a cone. It just seems to work no matter what. But, for ease of comparing results, you will do better with four monopoles, and make each a nice parallel line by stretching it first. On the tiny model, we did group the pairs with nylon ties in between fiberglass triangles which provide the slant surfaces upon which to drill the spacing holes. The jury is still out on how sloppy you can be and have it work as well as Bob's model.

OK back to planarity: All the no. 10 wires are on the 'outer cone' surface, all the no. 12 wires are on the imaginary 'inner cone', if that makes sense. Refer to starting sequence above for more clarity. And remember, turn one of monopole one, will be lowest on wide part of cone, then turn one of monopole two higher, turn one of monopole three further up toward narrow end, and finally turn one of monopole four. Then you continue up the slant height in same order until narrow end is reached, where the coax connector is fitted. Each folded monopole turn is made up of side by side wires space 3/8 inches. It is a bit difficult, but in thinking about it, starting at the wide end should help keep wire pairs straight. A trick the student builders are doing now is marking hole pairs with felt tip marker: Red for first monopole, Blue for second, Black for third, and no mark for fourth. Thus the hole pairs are drilled on the slant height, and color coded R, B, Blk, Blank, and Red again, Blue, and so on up the slant. This is done on each support face where you drill wire hole pairs to support the parallel lines.

Invert the cone, to have small end down for use, closest to ground plane for operation. That is why I have switched my mechanical design to two interlocked rectangles of insulating material, upon whose diagonals, I can drill mounting holes for wire pairs, to keep the pair parallel to ground plane edge of the support insulator. The 16 inch diameter end is uppermost above the ground plane in use. It will not work if wrong end is up. IE not efficiently.

We have used the same size ground plane for all models due to application we are going for. But, Bob Rogers states that a radial plane could be substituted, and as a start, some of the standard radial conventions could be tried. I would say you could try radials of a length to have 0.05 wavelength between the outer ends, (that would be 30 quarter wave radials), but 16 radials might be a good start. It is easy enough to have a ring at the coax connector and clip on hook up wire radials until you see no further effects. This antenna has a wide SWR bandwidth, and it may be tough to see much change at the feedpoint. At this point, since we have a good copper conducting screen, it is just a SWAG to say 16 radials would be sufficient. Another area to explore,and should they be quarter wave? Probably not if placed on top of ground. They should be longer than the antenna is tall, but how much more is needed is open to testing.

Hope I have covered all the questions between the two postings today for
now.
Let me know how further experiments turn out.
72,
Stuart K5KVH

Date: Wed, 10 Apr 2002 20:27:39 -0400
From: "Robin Kidd" <robink@us.ibm.com>
To: qrp-l@lehigh.edu
Subject: [124379] Re: Newbie Needs Help
Message-ID: <OFB800B696.1D7135B9-ON85256B98.00026C29@raleigh.ibm.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

Thanks to all who gave help to this "newbie"... The message sent before
was blank - email server problems again...

Regards,

Robin J. Kidd
KG4RSQ
Network Engineer
IBM Learning Services

Remember, the Ark was created by inspired amateurs but the Titanic was
created by professionals...

kg4rsq@arrl.net

Date: Wed, 10 Apr 2002 20:33:24 -0400
From: Jim Eshleman <jce0@Lehigh.EDU>
To: qrp-l@Lehigh.EDU
Subject: [124380] Linda Smith...
Message-ID: <3CB4D9D4.5090004@Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

...is gone and follow-ups on that thread will go to /dev/null

73
Jim N3VXI

Date: Wed, 10 Apr 2002 20:40:20 -0400
From: Pete Burbank <plburbank@kih.net>
To: qrp-l@lehigh.edu
Subject: [124381] Need FT-707 info
Message-ID: <5.0.2.1.0.20020410195901.00a9ecd0@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I bought a nice 707 for my son who had just gotten his novice license and he discovered
girls and cars shortly thereafter so he brought it back to me. (you dads out there know exactly
what I'm talking about here} :-)
The manual was not included and evidently has been suctioned into the gigantic black hole
that contains millions of tech manuals and some day may rival the sun as an energy source
if it ever starts burning.
It works fine but am curious about the nomenclature until I can round up a tech manual.
Is the clarifier some sort of Q-multiplier? The label is a new one on me and I was a ham when dirt was invented. If anyone has a manual let me know and might put the rig up for sale with
the mike....it's around here somewhere HI!   I need to pop the lid and see what filters are in it tmrw Actually a pretty nice rig and covers several WARC bands.
It might also be cool to crank up on 80 AM HI!
Any info appreciated
73 Pete NV4V

Date: Wed, 10 Apr 2002 21:04:24 -0400
From: "Dave" <wr3i@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [124382] Tower Offer!
Message-ID: <3CB4A8D8.8759.85B7F3@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

Hi Folks,
This is a long shot to find a QRP ham in my area but
I am moving soon, about 3 weeks and having failed to sell my 58
foot rotatable tower I am now offering it free of charge to any one
that wants to pick it up.
It is a crank up/tilt tubular tower it weighs about 6oo lbs and is 22'
collapsed will take 4-6 guys to carry it
I live in Monroe Connecticut
Let me know
Dave
WR3I

Date: Wed, 10 Apr 2002 23:13:43 +1000
From: "Graeme Zimmer" <gzimmer@bigpond.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [124383] Mains Communication Interference.
Message-ID: <002701c1e091$8b0f4cc0$6b978690@newlaptop>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi,

I was reading my April copy of Circuit Cellar, where I was horrified to read
a rather glowing report of the "Home Plug" power-line communications system.

This is a wideband digital system which uses 83 subcarriers spaced every 200
Khz from 4.5 to 20 Mhz.

Due to the impossibility of preventing signal leakage from the mains, it
will likely make life for Hams and SWLs very difficult.

The article was written by Tom Cantrell (email twc@charter.net) who is the
West Coast Editor of Circuit Cellar Magazine.

Tom seems to be a nice bloke, and a very capable engineer, but he doesn't
seem to have a clue how nasty these systems could be to our hobby.

If you receive Circuit Cellar, you should carefully read the article and
then send Tom an email telling him how you feel.

If you don't get the mag, some alternative details follow (please read them,
then write to Tom).

Interesting submission from the RSGB is at
    http://www.bbc.co.uk/rd/pubs/whp/whp-pdf-files/WHP013.pdf
and from the BBC is at
    http://www.qsl.net/rsgb_emc/emcplc.pdf

BTW, details of Home Plug is at http://www.cebus.org/HomePnP.html

regards ..... Graeme Zimmer VK3GJZ

Date: Wed, 10 Apr 2002 21:09:08 -0400
From: lenny wintfeld <w2bvh@comcast.net>
To: "[Low Power Amateur Radio Discussion]" <qrp-l@Lehigh.EDU>
Subject: [124384] Helical Conical Antenna
Message-ID: <3CB4E234.F280760E@comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Hi

    Has someone worked up a diagram of this antenna? The "word picture" descriptions of it (no matter how detailed) so far, have got me stumped.

    Sounds like a fine thing to try for field day.

    Thanks!

73,

Lenny W2BVH

Date: Wed, 10 Apr 2002 20:24:49 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "Torell Kent-P12255" <kent.torell@gd-decisionsystems.com>
Cc: <AQRP@yahoogroups.com>,
        "'kent - earthlink'" <aztorell@earthlink.net>, <qrp-l@Lehigh.EDU>,
Subject: [124385] Re: Cone .. orientation of wire pairs
Message-ID: <00c001c1e0f7$acac9520$4e100a0a@rohredt2000>

Folded helical conical antenna:
Hmm let me see if "I" can do a text picture: 0 is no. 10 wire,
x is no. 12 wire

Edge view: along a slant axis: 0x x0
Two monopoles shown at feedpoint in this view
0x
x0
0x
x0
0x
x0

0x x0

Coax

Conx

center x

shield 0

Summary: The smaller wire is an inner cone of the larger wire cone, to maintain the parallel line 3/8 inch spacing of the no. 10 to the no. 12 wire

Does that help?
Stuart K5KVH

Date: Wed, 10 Apr 2002 20:35:32 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <AQRP@yahoogroups.com>, <qrp-l@Lehigh.EDU>,
  "Torell Kent-P12255" <kent.torell@gd-decisionsystems.com>
Subject: [124386] OK the text art came out partially correct showing the Folded Helical Conical Cone wire arrangement
Message-ID: <00df01c1e0f9$2be91a60$4e100a0a@rohredt2000>

If you got a drawing of a slanted line with 0 outside to left of an x, then that is correct. The slant should have been to right, showing the wire pairs moving over as they go down the slant of the cone, and toward the smaller, feed point end.

When I copied the complete picture I drew of both sides of the cone, but

only one side came back to me correctly, and the other appeared at the left of the page. Not sure why this happens, but hopefully accompanying text clarifies that there are two cones essentially formed one within the other. Outer is the larger gauge wire. Inner is the smaller gauge wire. Outer is no. 10 pvc insulated, inner is no. 12 copper enamel, (or pvc).

If I can get out of here some night to wire up mine, K5GP is going to do us a digital photo that can be scanned in to a web location.

72,
Stuart K5KVH

Date: Wed, 10 Apr 2002 21:39:17 -0400
From: Pete Burbank <plburbank@kih.net>
To: qrp-l@lehigh.edu
Subject: [124387] Ft-707 query
Message-ID: <5.0.2.1.0.20020410212609.00aa3260@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Got the answer from Jake N4UY
A clarifier is an RIT as it turns out....
If you run across an old nasty Argosy buy it :-)
73 to all Pete NV4V

Date: Wed, 10 Apr 2002 20:43:26 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <qrp-l@Lehigh.EDU>, <AQRP@yahoogroups.com>,
"Torell Kent-P12255" <kent.torell@gd-decisionsystems.com>
Subject: [124388] The Conical Antenna monopole wires and the marble track
Message-ID: <00ec01c1e0fa$46039410$4e100a0a@rohredt2000>

Hey, this is a great group! Thanks Kent!
Kent Torell has come up with the best visualization aid yet. The pair of monopole wires that go around the conical shape describe two wire guides like a marble track. If you placed a marble at the wide cone edge, upon A MONOPOLE wire pair, it would spiral down to the narrow end of cone upon the track formed by the no. 10 wire and the no. 12 wire of each monopole. Thus, to continue this analogy, there are four tracks down the face of the cone, one below the other after the first quarter turn. That is, the tracks starting position would be at the wide end, at North, East, South and West

looking down on the wide cone end as a compass circle.

Hope this aids those building copies.
Stuart K5KVH

Date: Wed, 10 Apr 2002 21:46:48 -0400
From: Pete Burbank <plburbank@kih.net>
To: qrp-l@lehigh.edu
Subject: [124389] FT-707
Message-ID: <5.0.2.1.0.20020410214230.00a9cba0@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Thanks for all the replies gang. Got it now!!!
73 NV4V

Date: Thu, 11 Apr 2002 00:08:37 +1000
From: "Graeme Zimmer" <gzimmer@bigpond.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [124390] Mains Communication Interference
Message-ID: <001701c1e099$362cac40$f01836cb@newlaptop>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sorry,

The BBC references are at ...

http://www.bbc.co.uk/rd/pubs/papers/pdffiles/hf2000jhs.pdf

http://www.bbc.co.uk/rd/pubs/whp/whp-pdf-files/WHP012.pdf

..... Graeme Zimmer

Date: Wed, 10 Apr 2002 22:24:42 -0400

From: Chuck Ludinsky <cludinsky@attbi.com>
To: neqrp@jonal.net, qrp-l@lehigh.edu
Subject: [124391] NEQRP CW Net, Thursday 11 April 2002, 8:30 PM EST, 3.565 MHz
Message-ID: <3CB4F3EA.6000708@attbi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

The New England QRP Club's 80M CW net, WQ1RP, will meet again on Thursday, 11 April 2002, at 8:30 PM EST (00:30Z, 12 Apr 02) on or near 3.565 MHz. All hams are welcome. Net control operator will be Chuck, K1CL, operating from Chelmsford, MA.

Last week's net op was Ed, AB1CW, operating from Tyngsboro, MA. Ed reported:

"The net lasted about 45 minutes with 9 QNI's as follows:

AA1UE	Gary	Springfield, MA	339
W1CFI	Paul	Falmouth, MA	599
K1RC	John	Dracut, MA	599
WB1HBE	John	Chelmsford,	599
K1LGQ	Dennis		599
N1VS	Vince		599
K1RC	John	Dracut	599
W1KRT	Ken		599
AA1MY	Seab didn't respond when called		449
K1XS	Ken	CT	459

That's it. Pretty good nite, several congrats on my new call. K1RC worked Middle East on 5 watts and did 120 stations in wpx. Dennis got his new K-1 kit in the mail today, and is threatening to be done building it before John is finished with his. Chalk up another win for Elecraft."

Thanks to all for QNI. Hope to see you Thursday night.

72 DE K1CL,
Chuck

Date: Wed, 10 Apr 2002 21:32:27 -0500
From: Lew Paceley <lew@paceley.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [124392] Re: OHR-100
Message-ID: <004d01c1e101$1f6341a0$6501a8c0@swbell.net>

MIME-version: 1.0
Content-type: text/plain; charset=Windows-1252
Content-transfer-encoding: 7BIT

Hi Juan,
The OHR 100A is a very nice QRP radio - you will be quite pleased with it. It's not the smallest 30m rig for backpacking but is very full featured with AF and RF gain, RIT, a variable bandwidth crystal filter, and both headphone and speaker jacks. See my review and others here:

http://www.eham.net/reviews/detail/180

GL and enjoy,

72/73,
Lew
N5ZE

Date: Wed, 10 Apr 2002 22:53:01 -0400
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [124393] The Norcal Nor'Easter, politics and religion
Message-ID: <3.0.6.32.20020410225301.007bdec0@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Well gang, I'm beginning to think the world would be a better (but some what boring) place without either politics or religon. That seems unlikely to ever happen, so we need to stay informed about the latest conflict and the world's perspective on it. For that we need a short wave radio, and what better way to stay informed but with the new NorCal SWL receiver kit?

Since the cat is now out of the bag on this project, I guess it's time to tell you all about it. This is a digital, PLL tuned, AM only receiver, which covers 5.200 MHz to 17.000 MHz in 5 KHz steps. There is a single digit LED readout for frequency, which is either manually or automaticly activated, depending on whats going on. There are six (6) preprogrammed SW frequencies, for quickly getting to the various broadcast bands in the tuning range. In additon, there are ten (10) user progammable memories (stored in the cpu's internal eeprom) which you can program with your favorite SWBC station frequencies. The receiver is controlled by three push buttons - tune up, down and functions.

The receiver is dual conversion, using a 10.7 and 455 IF. It uses a pair of SA612's for frequnency conversion, a MC170145 PLL, an Atmel 90S1200 cpu and LM386 audio amp. All surface mount, along with all the resistors and caps (see, there was a reason for selling all those 555 smt practice keyer kits, hi) Sorry, there is no AGC, since there was no easy way to add it into the space available, which is small enough to fit into an Altoids tin, less battery. 1206 chips and SO IC's are used for easy construction. The receiver nominally runs on 12 volts, but will run on a 9 volt battery, with some loss of tuning range. For an antenna, it uses a 3 foot piece of wire.

Doug will be getting the final board layout, parts list and manual in the mail soon, if it hasn't gotten there already. It will most likely be another 6-8 weeks before the kits are ready to go, so start saving up, though it woun't be all that expensive. Doug will fill you in on those details when the time comes. I'm sure you will all enjoy building and using this latest kit from NorCal. I had a lot of fun designing and developing it.

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
http://www.qsl.net/kd1jv/

Date: Wed, 10 Apr 2002 22:04:07 -0500
From: "Brian Murrey" <brian@iquest.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [124394] Re: The Norcal Nor'Easter, politics and religion
Message-ID: <001201c1e105$8c49afd0$72352bd1@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Power requirements?

----- Original Message -----
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, April 10, 2002 9:53 PM
Subject: The Norcal Nor'Easter, politics and religion

> Well gang, I'm beginning to think the world would be a better (but
some

> what boring) place without either politics or religon. That seems
unlikely
> to ever happen, so we need to stay informed about the latest
conflict and
> the world's perspective on it. For that we need a short wave radio,
and
> what better way to stay informed but with the new NorCal SWL
receiver kit?
>
> Since the cat is now out of the bag on this project, I guess it's
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> tell you all about it. This is a digital, PLL tuned, AM only
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> which covers 5.200 MHz to 17.000 MHz in 5 KHz steps. There is a
single
> digit LED readout for frequency, which is either manually or
automaticly
> activated, depending on whats going on. There are six (6)
preprogrammed SW
> frequencies, for quickly getting to the various broadcast bands in
the
> tuning range. In additon, there are ten (10) user progammable
memories
> (stored in the cpu's internal eeprom) which you can program with
your
> favorite SWBC station frequencies. The receiver is controlled by
three push
> buttons - tune up, down and functions.
>
> The receiver is dual conversion, using a 10.7 and 455 IF. It uses a
pair of
> SA612's for frequnency conversion, a MC170145 PLL, an Atmel 90S1200
cpu and
> LM386 audio amp. All surface mount, along with all the resistors and
caps
> (see, there was a reason for selling all those 555 smt practice
keyer kits,
> hi) Sorry, there is no AGC, since there was no easy way to add it
into the
> space available, which is small enough to fit into an Altoids tin,
less
> battery. 1206 chips and SO IC's are used for easy construction. The
> receiver nominally runs on 12 volts, but will run on a 9 volt
battery, with
> some loss of tuning range. For an antenna, it uses a 3 foot piece of
wire.
>
> Doug will be getting the final board layout, parts list and manual

in the
> mail soon, if it hasn't gotten there already. It will most likely be
> another 6-8 weeks before the kits are ready to go, so start saving
up,
> though it woun't be all that expensive. Doug will fill you in on
those
> details when the time comes. I'm sure you will all enjoy building
and using
> this latest kit from NorCal. I had a lot of fun designing and
developing it.
>
>
> 72,
> Steve, KD1JV
> "Melt Solder"
> White Mountains of New Hampshire
> http://www.qsl.net/kd1jv/
>
>

Date: Wed, 10 Apr 2002 23:18:34 EDT
From: IamSF5@aol.com
To: qrp-l@lehigh.edu
Cc: plburbank@kih.net
Subject: [124395] Re: Need FT-707 info
Message-ID: <13.9acc7ef.29e65a8a@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 4/10/02 8:46:38 PM Eastern Daylight Time,
plburbank@kih.net writes:

<< out there know exactly
 what I'm talking about here} :-)
 The manual was not included and evidently has been suctioned into the
 gigantic black hole
 that contains millions of tech manuals and some day may rival the sun as an
 energy source >>

Pete,
Contact CCCCQQQQQ@AOL.COM
He has manuals from A to Z.

I just picked up a service manual for my 901- DM.
If I can locate the list i'll post it here.
73
Bob
AF2Q

Date: Wed, 10 Apr 2002 23:23:42 -0400
From: Pete Burbank <plburbank@kih.net>
To: qrp-l@lehigh.edu
Subject: [124396] This list is fantastic
Message-ID: <5.0.2.1.0.20020410230843.00aa0370@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I got so many wonderful replies from youse guys that can't answer them all individually
as it would take hours so Thanks ! to all of you. You are a great bunch and truly
carry forward the spirit of ham radio. This is the UP stuff and what the list is about!!!
Vy 73 to all...keep on truckin:'
Pete NV4V

Date: Wed, 10 Apr 2002 23:17:45 -0500
From: Ted Kell <tedkell@ev1.net>
To: kd1jv@moose.ncia.net,
        Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [124397] Re: The Norcal Nor'Easter, politics and religion
Message-ID: <200204102319768.SM00410@default>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I LIKE this rig. I came close to stealing Graham's NIce sound. It needs a bit of an antenna, worked fine on 3-4 feet of wire,
but I had to hold it up. This will be a good SWL rig.

N3Ted

4/10/02 9:53:01 PM,   Steven Weber <kd1jv@moose.ncia.net> wrote:

>Well gang, I'm beginning to think the world would be a better (but some
>what boring) place without either politics or religon. That seems unlikely

>to ever happen, so we need to stay informed about the latest conflict and
>the world's perspective on it. For that we need a short wave radio, and
>what better way to stay informed but with the new NorCal SWL receiver kit?
>
>Since the cat is now out of the bag on this project, I guess it's time to
>tell you all about it. This is a digital, PLL tuned, AM only receiver,
>which covers 5.200 MHz to 17.000 MHz in 5 KHz steps. There is a single
>digit LED readout for frequency, which is either manually or automaticly
>activated, depending on whats going on. There are six (6) preprogrammed SW
>frequencies, for quickly getting to the various broadcast bands in the
>tuning range. In additon, there are ten (10) user progammable memories
>(stored in the cpu's internal eeprom) which you can program with your
>favorite SWBC station frequencies. The receiver is controlled by three push
>buttons - tune up, down and functions.
>
>The receiver is dual conversion, using a 10.7 and 455 IF. It uses a pair of
>SA612's for frequnency conversion, a MC170145 PLL, an Atmel 90S1200 cpu and
>LM386 audio amp. All surface mount, along with all the resistors and caps
>(see, there was a reason for selling all those 555 smt practice keyer kits,
>hi) Sorry, there is no AGC, since there was no easy way to add it into the
>space available, which is small enough to fit into an Altoids tin, less
>battery. 1206 chips and SO IC's are used for easy construction. The
>receiver nominally runs on 12 volts, but will run on a 9 volt battery, with
>some loss of tuning range. For an antenna, it uses a 3 foot piece of wire.
>
>Doug will be getting the final board layout, parts list and manual in the
>mail soon, if it hasn't gotten there already. It will most likely be
>another 6-8 weeks before the kits are ready to go, so start saving up,
>though it woun't be all that expensive. Doug will fill you in on those
>details when the time comes. I'm sure you will all enjoy building and using
>this latest kit from NorCal. I had a lot of fun designing and developing it.
>
>
>72,
>Steve, KD1JV
>"Melt Solder"
>White Mountains of New Hampshire
>http://www.qsl.net/kd1jv/
>
>

Date: Wed, 10 Apr 2002 23:26:26 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>

To: <brad.mugleston@gwl.com>
Cc: <qrp-l@Lehigh.EDU>
Subject: [124398] Anderson Power Pole Connectors new ARES standard
Message-ID: <038301c1e111$0b9089c0$4e100a0a@rohredt2000>

Brad, Anderson is the heavy duty silver contact connector of choice for many ARES groups now. Much more robust than Molex, will not over heat, will not break, is thick metal unlike Molex.

They are almost universally used for fork lift batteries, so those companies in each City have them for sale. The so called 50 amp type will do most any ham job. About $4 in quantity here. They are hermaphroditic, you do not have to worry about male and female. They are keyed to plug only one way to preserve polarity. Neat product. Colors of the Anderson two contact connectors denotes amperage rating, and they are sized to not get mixed up.

Go by a fork lift supplier and ask if they have them and look them over. I think Allied and such distributors also sell them.
72,
Stuart K5KVH

Date: Wed, 10 Apr 2002 23:45:26 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <qrp-l@Lehigh.EDU>
Subject: [124399] Something non political for a change! Good kit choices for a beginner
Message-ID: <039201c1e113$b34730e0$4e100a0a@rohredt2000>

There are many good ham radio kits for QRP. Small Wonders Labs, EmTech, Wilderness, Oak Hill, for the more experienced Elecraft, (if I left anyone out, my apologies). The clubs do great kits from time to time.

But for someone new to ham radio and kit building, there is both the aspect of the kit itself, and the learning process that is facilitated by the manual with it. By this, Heath put schematic symbols and parts pictorials in their manual. This is also the route, with easy to use on the bench spiral binding, that Ten Tec T kits uses. Also, besides transceivers, T kits feature very simple projects suited as a warm up to more complex transceivers and receivers. T kits even have a class sized offering of a direct conversion simple receiver kit. Another issue with kit building is the provision of a case or enclosure. Sometimes that is a major step in completing some kits that do not offer an enclosure. T kits, in the transceiver and accessory class, and their SWL receiver, feature rugged steel finished cases, of double clam shell construction. Their power swr

meter can be configured QRP or QRO by cal pot setting. It is dual HF and VHF pickups. A number of their kits fill such unique functions.

They have a kit to use to adjust tuners to 50 ohms with any antenna. They have a simple voice processor kit for SSB use. What I have found useful for newcomers is the added information on components and symbols in the manuals to enhance their learning experience while completing a first class project.

GL, and have fun building!
Stuart K5KVH

Date: Mon, 25 Mar 2002 00:38:55 -0600
From: Ade Weiss W0RSP <aweiss@usd.edu>
To: qrp-l@Lehigh.EDU
Subject: [124400] Homebrew Sprint + Doc and XR0X on 30m
Message-ID: <3WJF5FAUOXU3ZQOYW6ELFWRYS1XA8.3c9ec5ff@aweiss>
MIME-Version: 1.0
Content-Type: text/plain; charset="windows-1252"

Hi all:

I didn't see Doc K0EVZ post his bagging of XR0X on 30m. Wellll, he did and I was listening!!! Great job Doc! Boy, that loop must have magical properties. He works all knid of DX on 30m.

Any rate, the Homebrew Sprint was very disappointing. 20m was doing OK until everybody dropped out of sight at around 0200. 40m was very noisy and hard to work much. A lot of QSB too - 44-58 swings.

Oh well, the A-Index is up around 35, so that usually muddles it up.

I only did 15 on 20m with my vintage Viking 3x5 that graced the front cover of CQ a while back. I used my old 1978 420XC design (in CQ also) at 5w on 40m. It has a narrow audio filter (d.c. rx) which makes a noisy band sound noisier. Worked 16 on 40. There wasn't that much to work on either band.

Last year I called it the "best" sprint ever. Next year!

72, Ade W0RSP

Date: Thu, 11 Apr 2002 00:25:34 -0500
From: Ade Weiss W0RSP <aweiss@usd.edu>
To: qrp-l@lehigh.edu
Subject: [124401] WAS: Stop All 4XA...
Message-ID: <HYWPXUYVJIXWA7FAICPJZXZYZWE9KH.3cb51e4e@aweiss>
MIME-Version: 1.0
Content-Type: text/plain; charset="windows-1252"

Hi all:

My response to this post:

3/27/02 0325Z 30m 4X4WN   579 559 David, Shoresh -- SHALOM!

72, Ade W0RSP

Date: Wed, 10 Apr 2002 23:59:34 -0700
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [124402] DDS VFO Update...
Message-ID: <010201c1e126$70dca600$079ab2d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang,

Just wanted to give you a quick update on the DDS Signal Generator/VFO. I've changed the CPU from a AT89C52 to an AT89S8252. The main reason was that they are the same price, but the 8252 allows me to offer ISP (In Circuit Programmability). This means that you can take a parallel port cable and burn new code into the CPU. I tested this out tonight and it works great. I used a 3' parallel port cable from my notebook for the test. So gang, for any of you that want to get into 8051 development, the upload software is FREE!!! (For the SOCAL Guys... We'll beat any price on your mattress or your mattress is FREEEEEEEEE!). In fact all of the development software is FREE!! Get youself a copy of Metalink's ASM51 and the upload software from this site: http://people.freenet.de/buss/ , build yourself a small development board (real easy) and you're in business. This is going to be nice though, as I can add downloadable code to the web site (when we finish it) that you can burn into your CPU for updates. No pulling the chip out

of the board and putting it into an eprom burner, just connect the cable
and download new code. I hope to have the WWW site up soon. BTW on
another topic Dave WD4PLI did some measurements for me on a Tektronix
Spectrum analyzer at work, and it looks like the nastiest spurs we have
over 1 Hz to 40 MHz are better than 40 dB down from the main signal.
Also, I was curious about the MMIC performance, and we are no where near
the compression point, so the LPF and buffer are solid now. Take care
and thanks for the band width.

72/73's
Trev
KG6CYN

Date: Thu, 11 Apr 2002 01:23:44 -0700
From: "Dave Fifield" <dave@redhotradio.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [124403] AOL 7.0 Tin Project?
Message-ID: <00d601c1e132$323da640$0200a8c0@AD6A>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Is anyone working on an AOL 7.0 tin group project?
I got one in the mail today - it's just begging to have
something built into it!

72, Dave, AD6A

Date: Thu, 11 Apr 2002 08:08:14 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [124404] Re: The Norcal Nor'Easter, politics and religion
Message-ID: <5.1.0.14.1.20020411080538.00a633a0@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 10:53 PM 4/10/2002 -0400, you wrote:
>Well gang, I'm beginning to think the world would be a better (but some
>what boring) place without either politics or religon. That seems unlikely
>to ever happen, so we need to stay informed about the latest conflict and

>the world's perspective on it. For that we need a short wave radio, and
>what better way to stay informed but with the new NorCal SWL receiver kit?

Steve,

Nice segue!

I'm anxious to see this little radio.

Dave

"You can fool some of the people all of the time. That's enough to make a
living." - Lance Burton

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Thu, 11 Apr 2002 09:18:30 -0400
From: Pete Burbank <plburbank@kih.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [124405] Re: Something non political for a change! Good kit choices
  for a beginner
Message-ID: <5.0.2.1.0.20020411084122.00aa5250@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Stuart, That was really interesting about the T-kits. I've been building
gear for over 40 years
including a few kits for friends. I built 3 QRP rigs in the last 2 years
and really did not enjoy
paging back and forth between the schematic, the parts list and step** and
all the time
fondly remembering the painless, incredibly well written instructions put
out by Heath.
Ten Tec is a great company with wonderful customer support so I certainly
will make that
my next choice for a kit..
A few years ago I called them about a replacement dial elastic for my
trusty Argosy.
The guy says"OK I'll send you a couple" (which he did). I asked about the price
and he said" Don't worry about it" "It cost more to run the paperwork than
it does
for me to just send them for nothing" Other dealings with them have been
painless

I was really wondering what ever happened to that lucid , painless assembly
info
by Heath .....thanks for answering my question.
73 Pete NV4V

At 11:45 PM 4/10/2002 -0500, Stuart Rohre wrote:
>There are many good ham radio kits for QRP. Small Wonders Labs, EmTech,
>Wilderness, Oak Hill, for the more experienced Elecraft, (if I left anyone
>out, my apologies). The clubs do great kits from time to time.
>
>But for someone new to ham radio and kit building, there is both the aspect
>of the kit itself, and the learning process that is facilitated by the
>manual with it.   By this, Heath put schematic symbols and parts pictorials
>in their manual. This is also the route, with easy to use on the bench
>spiral binding, that Ten Tec T kits uses.   t K5KVH

Date: Thu, 11 Apr 2002 09:24:00 -0400
From: "Robin Kidd" <robink@us.ibm.com>
To: qrp-l@lehigh.edu
Subject: [124406] Test for empty message
Message-ID: <OF3A0D8C17.350B1EB8-ON85256B98.00498B72@raleigh.ibm.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

Sorry to take up the bandwidth but I have gotten a report that the body of
my messages are empty.

Regards,

Robin J. Kidd
KG4RSQ
Network Engineer
kg4rsq@arrl.net

Remember, the Ark was created by inspired amateurs but the Titanic was
created by professionals...

Date: Thu, 11 Apr 2002 09:20:05 -0400
From: Ken Newman <N2CQ@dandy.net>

To: EPA-QRP@yahoogroups.com, QRP-L@lehigh.edu, njqrp@njqrp.org,
        n9avg@amsat.org, w3bg@arrl.net, n4so@juno.com
Subject: [124407] [CONTEST] N2CQ QRP Contest Calendar - Apr 13-28
Message-ID: <3.0.6.32.20020411092005.0096ad10@mail.dandy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

~~~~~~

N2CQ QRP CONTEST CALENDAR
April 13-28,2002

~~~~~~

QRP ARCI Spring QSO Party (CW) ......QRP Contest!!!

Apr 13 - 1200z to Apr 14 - 2400z

Rules: http://personal.palouse.net/rfoltz/arci/arcitst.htm

"Biggest QRP event in some time"

~~~~~~

The TARA PSK31 Rumble (Digital) ... QRP Category

Apr 20 0000z to 2400z

Rules: http://www.qsl.net/wm2u/rumble.html

"Get those Warblers in the show"

~~~~~~

Estonian (ES) Open HF Championship (CW/SSB) (80 & 40) ...QRP Category

Apr 20 - 0500z to 0959z

Rules: http://www.sk3bg.se/contest/esopen.htm

"Awards and trophies"

~~~~~~

GACW CW DX Contest (Samuel Morse Party) ... QRP Category
~~~~~~

Apr 20 - 1200z to Apr 21 - 1200z

Rules: http://www.geocities.com/gacwar/

"huestes de Don Samuel MORSE"

~~~~~~

Michigan QSO Party (CW/SSB) ...QRP Category

Apr 20 - 1600z to Apr 21 - 0400z

Rules: http://www.mrrc.net/mqp

"Work Michigan Counties"

~~~~~~

EA QRP Contest (CW) ...QRP Contest!!

Apr 20 - 1700z to 2000z (20 Meters)
Apr 20 - 2000z to 2300z (80 Meters)
Apr 21 - 0700z yo 1300z (40 Meters)

Rules: http://www.geocities.com/eaqrpclub_es/uk/uk.html

"QRPp Category included"

~~~~~~

Ontario QSO Party (CW/SSB) ... QRP Category

Apr 20 - 1800z to Apr 21 - 1800x

Rules: http://www.odxa.on.ca/oqprules.html

"Work Ontario stations. Canada's friendliest amateur radio contest"

~~~~~~

QRP To The Field (CW) ...QRP Contest!!

Apr 27 - 1500z - 2400z (Pick any 6 hours)

Rules: http://www.fix.net/~jparker/norcal.htm

"Water World Deja Vu"

~~~~~~

Helvetia Contest (CW/SSB) (Swiss) ...QRP Category

Apr 27 - 1300z to Apr 28 - 1300z

Rules: http://www.sk3bg.se/contest/helvc.htm

"Work Swiss Cantons"

~~~~~~

Florida QSO Party (CW/Phone) ...QRP Category

Apr 27 - 1600z to Apr 28 - 0159z and
Apr 28 - 1200z to 2159z

Rules: http://www.qsl.net/fqp/rules.htm

"Work Florida counties"

~~~~~~

Nebraska QSO Party (CW/SSB) ... QRP Category

Apr 27 - 1700z to Apr 28 - 1700z

Rules: http://www.qsl.net/hdxa/neqso/neqso.htm

"Work Nebraska counties. More points for QRP"

~~~~~~
Thanks to SM3CER, WA7BNM, ARRL and others
for assistance in compiling this calendar.

Please foreward the contest info you sponsor to N2CQ@ARRL.NET and
we will post it and give it more publicity.
Anyone may use this "N2CQ QRP Contest Calendar" for your website, newsletter,
e-mail list or other media as you choose.
(Include a credit to the source of this material of course.)

72 de
Ken Newman - N2CQ
N2CQ@ARRL.NET

**** QRP Contest Calendar ****
http://www.njqrp.org/data/contesting.html
http://www.n3epa.org/Pages/Contest/contest.htm
http://www.qsl.net/cqrp/contests.html

Date: Thu, 11 Apr 2002 09:26:19 -0500
From: Gary Lee <kb9zuv@arrl.net>
To: qrp-l@lehigh.edu
Subject: [124408] argonaut description request
Message-ID: <3.0.6.32.20020411092619.007afe40@mailhost.ind.ameritech.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Looking at gettting one of these from ebay. However, I would like to have
a good physical and operational description.

I understand that the tuning is sliderule type. How long is the display,
thinking of braille marikings.
Also, how about tune-up etc? If this is not a good choice, what would be a
suggestion for relatively inexpensive multiband qrp rig. Would like to
have both cw and ssb if possible. Wark bands not absolutely necessary.
Also, doesn't have to be new.

Thanks for the info.

Gary Lee
Ball State University
765-285-1310

Date: Thu, 11 Apr 2002 11:22:19 EDT
From: WE7X@aol.com
To: QRP-L@lehigh.edu
Subject: [124409] RE:TT Argonaut desc. req.
Message-ID: <128.fad2959.29e7042b@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Gary,
  The TT Argonaut 509 is what I have before me. I also have a TT 515. The
dial is just about 4.5 inches long, and just over 1" high. You did not
mention which model you were looking at.
  The 515 has a slide rule dial which has many markings, but the 509 just has
a logging type scale, which is a 0-5 scale with just the six vertical scale
marks, representing 500KHz of which ever band you are tuned to. On both the
515 and the 509, the main tuning knob has a calibrated skirt, which denotes
fine freq adjustment. It is a reduction drive, with a 0 to 100 scale on the
skirt, so that it does a good job of getting you very near the frequency that

you are looking for. There is also a calibrator option, which helps you get the dial set correctly to begin with, but I use other means if I need to.
   Also, Ten-Tec provides great support, if you need to have some repairs done.

   I know nothing about the possibility of marking the dial for Braille, but I'm sure the face place can be removed. However, my suggestion would be to add a frequency counter to the system. There are a couple which will allow offset programming to display the actual operating frequency, with a small input from the local oscillator, and with the output in Morse code. One is the "FREQ-Mite," by Small Wonders Labs, but I understand it is not available any more. Another might be the "Stinger Singer," from the Arizona (sQRPions) QRP club. I think the kits are about $20 for that one.
   If you have any more questions about the two models, let me know. I'm no expert, but I do have both to compare.
   WE7X
 Rod Johnson

Date: Thu, 11 Apr 2002 16:23:21 +0100
From: "Tony Fishpool" <tony@g4wif.fsnet.co.uk>
To: "QRP-l" <qrp-l@lehigh.edu>
Subject: [124410] The Norcal Nor'Easter, etc
Message-ID: <01ba01c1e16e$a5f91060$b12587d9@celeron>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Finally I can comment on this superb forthcoming kit!

While Graham, Seab & I have been beta testing and reporting back to Doug/Steve we've had the lid very tightly locked down so that the kit would only be announced when Doug felt the time appropriate - and that he did to a packed room at Arkiecon last weekend.

You are really going to like this project. In part because it gives us the opportunity to once again built using surface mount components, and as this is the future guys, it's just great that Norcal are giving us such a fun way to attain these skills.

You will also like it because this kit is simply ingenious - not only in the way it works - but also how brilliantly it works on such a low component count.

Congratulations to Steve for another brilliant design.

72/3
Tony - G4WIF

From: Steven Weber <kd1jv@moose.ncia.net>

<snip>

Since the cat is now out of the bag on this project, I guess it's time to tell you all about it. This is a digital, PLL tuned, AM only receiver, which covers 5.200 MHz to 17.000 MHz in 5 KHz steps.

<snip>

Date: Thu, 11 Apr 2002 16:36:54 +0100
From: "Tony Fishpool" <tony@g4wif.fsnet.co.uk>
To: "QRP-l" <qrp-l@lehigh.edu>
Subject: [124411] The Norcal Nor'Easter, etc
Message-ID: <01c101c1e16e$cb2a8c60$b12587d9@celeron>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Finally I can comment on this superb forthcoming kit!

While Graham, Seab & I have been beta testing and reporting back to Doug/Steve we've had the lid very tightly locked down so that the kit would only be announced when Doug felt the time appropriate - and that he did to a packed room at Arkiecon last weekend.

You are really going to like this project. In part because it gives us the opportunity to once again built using surface mount components, and as this is the future guys, it's just great that Norcal are giving us such a fun way to attain these skills.

You will also like it because this kit is simply ingenious - not only in the way it works - but also how brilliantly it works on such a low component count.

Someone asked about power - a PP3 9v battery works fine but I seem to recall from the construction notes (which I can't find - well I'm still jet lagged!) that it won't go as high in frequency as a 12v power supply.

Congratulations to Steve for another brilliant design.

72/3
Tony - G4WIF

From: Steven Weber <kd1jv@moose.ncia.net>

<snip>

Since the cat is now out of the bag on this project, I guess it's time to tell you all about it. This is a digital, PLL tuned, AM only receiver, which covers 5.200 MHz to 17.000 MHz in 5 KHz steps.

<snip>

Date: Thu, 11 Apr 2002 12:27:17 -0400
From: Bill Coleman <aa4lr@arrl.net>
To: <ne4o@swbell.net>,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [124412] Re: ANAZING ANTENNA DISCOVERY
Message-ID: <1020311122715.MAA10945@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 3/28/02 9:43 PM, DENNIS SMITH at ne4o@swbell.net wrote:

>Much to my astonishment the diople worked great as expected, the
>miracle whip was terrible, but the 200 watt bulb allowed me to work a w0 350
>miles away, GO FIGURE, Am i missing out on something here folks or is a
>light bulb a great antenna on 10 HI HI.

Did you use a balun with that light bulb?

Seriously! If not, I'd wager that much of your radiation comes from currents flowing on the feedline.

There was a test done several years ago where a fellow set up phased light bulbs. Each bulb used a quality Force12 bead balun to avoid any possible feedline radiation.

The phased light bulbs certainly worked better than a single light bulb. His point was that everything you might use as an antenna works, but that some antennas work better than others. Even light bulbs work. They just create a lot more illumination and heat than they do radiation of your signal.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
-- Wilbur Wright, 1901

Date: Thu, 11 Apr 2002 09:47:02 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-l@lehigh.edu>
Subject: [124413] Re: Newbie Needs Help
Message-ID: <MABBJOEABOILMKCJCLFCIECLDEAA.n6wg@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello Robin
Your question is a common one, but the answers will vary all over the place, based on our own experiences.

First, I hope you recognize that any QRP rig isn't going to perform the same as a 100w transceiver (or older TX and RX pair). There will be compromises, some in the receiver, some in the transmitter.

Many of us have done amazing things with our QRP rigs, but there is usually considerable personal experience backing up the hardware. AND A GOOD ANTENNA!

In your case, I would say, don't go too cheap and simple. Without some experience to help you compensate for the rig's shortcomings, you might be in for some disappointment.

That said, I would recommend something from Dave Benson's SMALL WONDER LABS line of rigs. I have his SW40+, a fairly modest 40m cw rig good for about

1.5 to 2 watts out. It is a vfo-controlled transceiver that easily covers the 40m cw band. As a side benefit, the SW40+ was used in the QRP-L Elmer 101 class a few years ago. The NorCal QRP club published the on-line notes and circuit explanations in an issue of QRPp, its newsletter. I think the issue is still available.

I believe there are several competitive kit rigs of around the same class, so you will probably find them recommended by others here.

Whatever you decide on, good luck with it. I hope to hear you on the air one day.
73, Bob N6WG
Newark, CA on SF Bay

Date: Thu, 11 Apr 2002 12:52:54 -0400
From: juan ferrari <puntrad@usa.net>
To: " " <qrp-l@Lehigh.EDU>
Subject: [124414] OHR-100
Message-ID: <20020411165254.20199.qmail@uwdvg002.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

Hi Gang,
Thank you to all who sent his comments.
I think I will go for it.
AGN,TNX es 72
Juan
KG4FSN

Date: Thu, 11 Apr 2002 09:54:44 -0700
From: "Bill Jones" <kd7s@psnw.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [124415] Getting ready for the Nor`Easter
Message-ID: <000c01c1e179$cdd70dc0$378d6bd1@j3s0p2>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Friends,

If you have never none any serious listening to the International Shortwave Broadcast bands you're in for a real treat. The upcoming NorCal Nor'Easter receiver kit is going to open up a brand new world for you. For starters, you're going to hear news broadcasts from the other guy's point of view. You may be surprised at what you learn. Have you ever listened to folk music from Ecuador? It's fascinating. I love the stories from the BBC (the beeb), a history lesson from Deutsche Welle (Germany), or who the Chinese equivalent to Martha Stewart is on Radio Beijing.

One of the bests gifts you can give yourself is a book titled, "Passport to World Band Radio." It costs under $20 retail (around $15 from Amazon) in the U.S. It gives program listings from various countries, frequency and time schedules along with a lot of "how to" tips for the beginner.   It is as essential to the shortwave listener as the ARRL Handbook is to the ham.

Get ready for the Nor'Easter .... it'll blow your socks off ..... okay, bad pun but you're going to love it.
==========
Bill Jones -- KD7S -- <><
Sanger, California
http://www.psnw.com/~kd7s
==========

Date: Thu, 11 Apr 2002 09:57:04 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-l@lehigh.edu>
Subject: [124416] Re: SMT parts
Message-ID: <MABBJOEABOILMKCJCLFCCECMDEAA.n6wg@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Lee
I've been saving old pill bottles. I will put a new label on each one, identifying the specific SMD item inside.
73, Bob N6WG

Date: Thu, 11 Apr 2002 12:05:25 -0500
From: "Karl Kanalz" <kkanalz@gcecisp.com>
To: <n6wg@earthlink.net>,

"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [124417] RE: Newbie Needs Help & An Antenna
Message-ID: <NFBBKOMEFGJGEBABODPOKEPPCAAA.kkanalz@gcecisp.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bob (with one "O") gave some good advice to Robin:

-----Original Message-----
From: Bob Tellefsen
Sent: Thursday, April 11, 2002 11:47 AM
To: Low Power Amateur Radio Discussion
Subject: Re: Newbie Needs Help

Hello Robin
Your question is a common one, but the answers will vary all over the place, based on our own experiences.
<snip>
Many of us have done amazing things with our QRP rigs, but there is usually considerable personal experience backing up the hardware. AND A GOOD ANTENNA! <snip>
There's an old adage that says, "A dollar in the antenna is worth ten in the transmitter!"
Believe me, there's never a better "rule-of-thumb" when it comes to hamming! Get that antenna as good as you can get it (I realize that not all of us live with lots of trees and without restrictions), but do the very best you can with the space and circumstances you have available.
A good shelf of reference books on antennas (aerials for our U.K. brethren) will stand you in good stead, too!
Karl K - W8TIF
McKinney, Texas

Date: Thu, 11 Apr 2002 13:08:34 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [124418] Re: Getting ready for the Nor`Easter
Message-ID: <5.1.0.14.1.20020411130353.00a68a10@ipostoffice.worldnet.att.net>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

At 09:54 AM 4/11/2002 -0700, you wrote:
>If you have never none any serious listening to the International Shortwave
>Broadcast bands you're in for a real treat. The upcoming NorCal Nor'Easter
>receiver kit is going to open up a brand new world for you. For starters,
>you're going to hear news broadcasts from the other guy's point of view. You
>may be surprised at what you learn. Have you ever listened to folk music
>from Ecuador? It's fascinating. I love the stories from the BBC (the
>beeb), a history lesson from Deutsche Welle (Germany), or who the Chinese
>equivalent to Martha Stewart is on Radio Beijing.

Bill,

Not to mention all the FREE COOL STUFF you can win! Well, okay, it's not very likely but my younger brother, when he was about 12, won a dozen record albums from Radio Canada International in a postcard drawing. It was interesting hearing them announce his name on an international broadcast - especially since they were able to pronounce the family name correctly. (It's harder than you think.)

The usual disclaimer: your mileage may vary. But it -is- interesting to hear some of the neat stuff that goes on outside the ham bands. I'm looking forward to ordering a Nor'Easter kit.

Do you suppose they'll accept PayPal?

Dave

"You can fool some of the people all of the time. That's enough to make a living." - Lance Burton
---
Dave Hinerman
WD8CIV@worldnet.att.net

Date: Thu, 11 Apr 2002 12:43:08 -0400
From: "w6toy" <w6toy@erols.com>
To: <n3aaz-qrp@juno.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [124419] Re: Electrically Short Antenna with MUCH Better Efficiency
Message-ID: <000501c1e17a$43aaa0c0$040e2c42@w6toy>
MIME-Version: 1.0
Content-Type: text/plain;

        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

What you are saying is true. But remember this one point, the purpose of tHeh soruce fillower is to match inpedances, While the electrically short antenna you describe will work for receiving, IT WILL NOT WORK FOR TRANSMITING!

73

Date: Thu, 11 Apr 2002 13:41:04 EDT
From: WE7X@aol.com
To: qrp-l@lehigh.edu
Subject: [124420] info: SSB kits?
Message-ID: <9.264b8e81.29e724b0@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Greetings from Washington (the state),
   I've recently been introduced to a group new young hams in the area. One is getting his general ticket, and is unable to afford a commercial rig. He wants to build a SSB capable transceiver.
   Although he is not afraid to use CW and QRP gear, he really wants to have SSB capability. He asked me about building one from scratch, and junk parts, but I'm not willing and capable of that serious of a project. (I haven't even finished the additional modules for my K2, s/n 268)
 I would rather spend my time helping him with a proven product, and supplying the funds if needed.
   Can anyone suggest any other inexpensive SSB kits, beside White Mountain series? Epiphyte? There is nothing wrong with the White Mountain series, but I'm looking for other options to make sure I don't overlook some other possibility.
   I'm willing tutor him through the kit building process.
  Thanks,
  WE7X
  Rod Johnson
  Issaquah, WA.

Date: Thu, 11 Apr 2002 13:57:15 -0400
From: "John Dorson" <jdorson@Worldshare.net>
To: <WE7X@aol.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [124421] Re: SSB kits?
Message-ID: <002501c1e182$54c24360$8195f4d1@atwork>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Try hunting up some older tube rigs. Thereare a lot of them around and work
real good/easy to fix.

John K2JHU...
----- Original Message -----
From: <WE7X@aol.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, April 11, 2002 1:41 PM
Subject: info: SSB kits?

> Greetings from Washington (the state),
>   I've recently been introduced to a group new young hams in the area.
One
> is getting his general ticket, and is unable to afford a commercial rig.
He
> wants to build a SSB capable transceiver.
>   Although he is not afraid to use CW and QRP gear, he really wants to
have
> SSB capability. He asked me about building one from scratch, and junk
parts,
> but I'm not willing and capable of that serious of a project. (I haven't
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> finished the additional modules for my K2, s/n 268)
> I would rather spend my time helping him with a proven product, and
> supplying the funds if needed.
>   Can anyone suggest any other inexpensive SSB kits, beside White
Mountain
> series? Epiphyte? There is nothing wrong with the White Mountain series,
but
> I'm looking for other options to make sure I don't overlook some other
> possibility.
>   I'm willing tutor him through the kit building process.
>   Thanks,
>   WE7X
>   Rod Johnson
>   Issaquah, WA.

Date: Thu, 11 Apr 2002 11:08:34 -0700
From: "Alan Kaul" <alan.kaul@worldnet.att.net>
To: <kd7s@psnw.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [124422] Re: Getting ready for the Nor`Easter
Message-ID: <001801c1e183$e75ece40$af25cd18@charterpipeline.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bill wrote:
>I love the stories from the BBC (the beeb),

Hi Bill, et al.
 I've been a shortwave listener as long as I've been a ham (40+ years). And a Beeb listener from about 90-DXCC entities including 5A, YK, YI, EP, OD5, J2, T3, ZA, YU and some other garden spots where I have occasionally found myself. The identifiable theme song has been a comforting sound in some pretty unfriendly QTH's.

But the bad news is the Beeb has discontinued shortwave programming to North America and opted instead to concentrate on satellite transmission, internet programming and PRI--Public Radio Intl, which is carried by some public radio stations in USA.

So build the radio, listen to shortwave -- but unless you find yourself in a few unusual locations around the world, you'll have to settle for just about everything else on SW, except the Beeb. ALSO ... don't forget to listen for Voice of America which also carries a lot of interesting stuff!

BTW, I don't know the particulars about the Nor'easter, but any SW radio with a digital dial is terrific, because you can find the station so much more easily than using an analog dial!!!

Alan Kaul, W6RCL, LaCanada, CA
w6rcl@amsat.org
http://home.att.net/~alan.kaul/index.html

Date: Thu, 11 Apr 2002 11:17:04 -0700
From: Mark Schoonover <schoon@amgt.com>
To: "'alan.kaul@worldnet.att.net'" <alan.kaul@worldnet.att.net>,
        Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [124423] RE: Getting ready for the Nor`Easter
Message-ID: <BF889CEBEFD2D511B993009027F60ABE1555BB@AG-JASMINE-NT4>

MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"

Well, the 'beeb' may not broadcast directly anymore but I can tell you they can be heard easily in the good ole USA in the mobile.

--{ Mark E Schoonover KA6WKE
--{ Senior Hacker, IS Gopher, Hardware Fiend
--{ American Geotechnical
--{ http://www.qsl.net/ka6wke
--{ ka6wke@amsat.org

-----Original Message-----
From: Alan Kaul [mailto:alan.kaul@worldnet.att.net]
Sent: Thursday, April 11, 2002 11:09 AM
To: Low Power Amateur Radio Discussion
Subject: Re: Getting ready for the Nor`Easter

Bill wrote:
>I love the stories from the BBC (the beeb),

Hi Bill, et al.
 I've been a shortwave listener as long as I've been a ham (40+ years). And a Beeb listener from about 90-DXCC entities including 5A, YK, YI, EP, OD5, J2, T3, ZA, YU and some other garden spots where I have occasionally found myself. The identifiable theme song has been a comforting sound in some pretty unfriendly QTH's.

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BTW, I don't know the particulars about the Nor'easter, but any SW radio with a
digital dial is terrific, because you can find the station so much more easily
than using an analog dial!!!

Alan Kaul, W6RCL, LaCanada, CA
w6rcl@amsat.org
http://home.att.net/~alan.kaul/index.html

Date: Thu, 11 Apr 2002 14:18:46 EDT
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [124424] Last Posting: FS/FT QRP+/COMPANION/TT-1202/MIC
Message-ID: <135.c92d311.29e72d86@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Sorry for the several postings but this will be LAST ONE on this deal:
Besides the QRP+ and COMPANION I will also include the Ten Tec 1202 SWR/PWR meter which itself is in a nice matching black case and an old but good hand mic. The equipment is bubble wrapped, double boxed and insured and sent UPS.

COMPANION: I believe it is called a matching L network. The circuit design is based upon an article published in QST November 1992 pg 51. It uses a built in noise bridge to tune (you tune for null). The Companion comes in a matching cube enclosure similar to the QRP Plus with front leg. It has a very wide matching range. It can be used for balanced, unbalanced, and single wire antennas. I have used this on 160-10m with a variety of portable antennas. YOU CAN SEE A PICTURE OF WHAT THE COMPANION LOOKS LIKE AT THE WEB SITE.The fella has the cover off so you get to see a good view of it with the QRP+:
http://pages.sbcglobal.net/ko6gf/page3.html

LOOKING AT GOING PRICES
QRP PLUS------ $ 350
COMPANION--- $ 150
NEW BATTERY$ 30
TT 1202---------- $ 50
HAND MIC------- $ 20
SHIP/PACK----- $ 25

$ 625
So you do get quite a bit for $499. As noted before would consider trade for a SIERRA in good condition which better suits my needs FOR CAMPING AND

BACKPACKING

Note this is one of Stan K7SYs updated versions of the QRP+ (not QRP++) so many of the old problems have been corrected according to Stan

You get a lot of radio for the money--Hate to part with it but just not meeting my needs. Thanks for the bandwidth--now back to your regularly scheduled QRP chats (smile)

Alan KB7MBI in Woodinville, WA
FISTS 5702 Proud member of ARRL

Date: Thu, 11 Apr 2002 11:22:08 -0400
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [124425] Siliconpixels DSP
Message-ID: <NFBBKLDHALEHCJMAJPKFGEDHCPAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
	charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Anyone tried this DSP package? I saw a note about it on the 817 group on Yahoo. Seems like exactly what I want for my PC radio project.

Anything similar around to compare with? Pros, cons ...

http://www.siliconpixels.com/csnd/csnd.htm

Tracy N4LGH

Date: Thu, 11 Apr 2002 11:23:46 -0700
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [124426] DDS Pictures...
Message-ID: <009901c1e186$05842c60$9f9ab2d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
	charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang,

Thanks to Brice KA8MAV and his QRPp-I web page, there are now some pictures of the DDS Signal gen on the web! I sent one of the prototypes to Brice for him to evaluate and beta test for me (thanks Brice!). Unfortunately Mouser was out of the displays, so I was unable to send him one, but he had a similar display and made it work just fine. Check out his web site at http://www.qrpp-i.com/ and go to the projects page to see the pictures. The two boards and the display are meant to sandwich together and are mounted to a front panel by the hole pattern in the display. Take care...

73's - Trev KG6CYN

Date: Thu, 11 Apr 2002 14:24:35 -0400
From: "Mark J. Dulcey" <mark@buttery.org>
To: alan.kaul@worldnet.att.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [124427] Re: Getting ready for the Nor`Easter
Message-ID: <3CB5D4E3.6060106@buttery.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Alan Kaul wrote:
>
> So build the radio, listen to shortwave -- but unless you find yourself in a few
> unusual locations around the world, you'll have to settle for just about
> everything else on SW, except the Beeb. ALSO ... don't forget to listen for
> Voice of America which also carries a lot of interesting stuff!

Although the BBC has stopped SW broadcasts aimed directly at the US, people in many parts of the country can easily receive broadcasts that are aimed at other areas. (For example, here in New England, we can hear broadcasts aimed at Central and South America.) So, depending on where you live, your shortwave listening may not need to be Beeb-less.

6-land, where Alan lives, is likely to be the worst case. I wouldn't be surprised if the BBC is very difficult to receive there.

Date: Thu, 11 Apr 2002 13:32:26 -0500
From: "Karl Kanalz" <kkanalz@gcecisp.com>

To: <schoon@amgt.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [124428] RE: Getting ready for the Nor`Easter
Message-ID: <NFBBKOMEFGJGEBABODPOAEACCBAA.kkanalz@gcecisp.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

On what *frequencies*, Mark?

Karl K. - W8TIF
McKinney, Texas

-----Original Message-----
From: Mark Schoonover
Sent: Thursday, April 11, 2002 1:17 PM
To: Low Power Amateur Radio Discussion
Subject: RE: Getting ready for the Nor`Easter

Well, the 'beeb' may not broadcast directly anymore but I can tell you they
can be heard easily in the good ole USA in the mobile.

Date: Thu, 11 Apr 2002 11:38:31 -0700
From: Mark Schoonover <schoon@amgt.com>
To: "'Karl Kanalz'" <kkanalz@gcecisp.com>,
        Mark Schoonover <schoon@amgt.com>,
Subject: [124429] RE: Getting ready for the Nor`Easter
Message-ID: <BF889CEBEFD2D511B993009027F60ABE1555BF@AG-JASMINE-NT4>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"

I usually here them in the AM on the west coast between 1300 and 1500z.
Don't remember the exact freq, I just dial around until I find them while
mobile. Check their website.

.mark

-----Original Message-----
From: Karl Kanalz [mailto:kkanalz@gcecisp.com]
Sent: Thursday, April 11, 2002 11:32 AM
To: schoon@amgt.com; Low Power Amateur Radio Discussion
Subject: RE: Getting ready for the Nor`Easter

On what *frequencies*, Mark?

Karl K. - W8TIF
McKinney, Texas

-----Original Message-----
From: Mark Schoonover
Sent: Thursday, April 11, 2002 1:17 PM
To: Low Power Amateur Radio Discussion
Subject: RE: Getting ready for the Nor`Easter

Well, the 'beeb' may not broadcast directly anymore but I can tell you they can be heard easily in the good ole USA in the mobile.

Date: Thu, 11 Apr 2002 14:00:39 -0500
From: Dave Sjolin <sjolin@swbell.net>
To: WE7X@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [124430] Re: info: SSB kits?
Message-ID: <3CB5DD57.F4AFE2C9@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

WE7X@aol.com wrote:

> I would rather spend my time helping him with a proven product, and
> supplying the funds if needed.
> Can anyone suggest any other inexpensive SSB kits, beside White Mountain
> series? Epiphyte? There is nothing wrong with the White Mountain series, but
> I'm looking for other options to make sure I don't overlook some other
> possibility.
> I'm willing tutor him through the kit building process.

Rod, while not a kit, the MFJ series of mono band SSB rigs would be an inexpensive way to get started (maybe $250 new, $150 used). Same for a number of single band ten meter radios like those from Radio Shack. You might also point out that he can get many quality used radios relatively inexpensively. The TS830S for example can be found for under $400.

73 de Dave, N0IT

Date: Thu, 11 Apr 2002 12:07:31 -0700
From: Mark Schoonover <schoon@amgt.com>
To: "'mark@buttery.org'" <mark@buttery.org>,
        Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [124431] RE: Getting ready for the Nor`Easter
Message-ID: <BF889CEBEFD2D511B993009027F60ABE1555C1@AG-JASMINE-NT4>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"

Well, as a 6 lander it's not hard. That's as a mobile, so I would think
someone with a fullsize antenna would have a much better chance of
reception.

.mark

Date: Thu, 11 Apr 2002 15:09:52 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <WE7X@aol.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [124432] Re: SSB kits?
Message-ID: <002501c1e18c$77f069c0$0600a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

If I remember, there's a german club that offers SSB kits. Mono-banders
if I remember, and there's an easy way to get them in the states. Pretty
cheap too, like $200 if I remember.

I don't have the url handy, but I see if I can find it. I think there was
a
link to it on one of the QRP organization's home pages.

You might want to start looking at the links you find and see if you can
run into it. In the mean time, if I happen to run across it again, I'll
let
you know.

But the suggestion for an old used rig is a good one too. While not
QRP, I have an old Swan I'm gonna get rid of. But that may be

TOO old for someone...

Mike

----- Original Message -----
From: <WE7X@aol.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, April 11, 2002 1:41 PM
Subject: info: SSB kits?

> Greetings from Washington (the state),
>   I've recently been introduced to a group new young hams in the area.
One
> is getting his general ticket, and is unable to afford a commercial rig.
He
> wants to build a SSB capable transceiver.
>   Although he is not afraid to use CW and QRP gear, he really wants to
have
> SSB capability. He asked me about building one from scratch, and junk
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> but I'm not willing and capable of that serious of a project. (I haven't
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> finished the additional modules for my K2, s/n 268)
> I would rather spend my time helping him with a proven product, and
> supplying the funds if needed.
>   Can anyone suggest any other inexpensive SSB kits, beside White
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> series? Epiphyte? There is nothing wrong with the White Mountain series,
but
> I'm looking for other options to make sure I don't overlook some other
> possibility.
>   I'm willing tutor him through the kit building process.
>   Thanks,
>   WE7X
>   Rod Johnson
>   Issaquah, WA.
>

Date: Thu, 11 Apr 2002 12:27:06 -0700
From: "Kory Hamzeh" <kory@avatar.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [124433] Cutting PCB Material
Message-ID: <002501c1e18e$dda70240$14ce21c7@avatar.com>
MIME-Version: 1.0

Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Everyone,

I ended up order a 24" x 36" PCB for $29.00. Not a great price, but I can cut the boards to the size that I want. Now, I remember reading something on this list a while back about scoring the PCB with a sharp knife and then just breaking the board at the scored mark. I did a web search and didn't find anything. I wonder if that is a procedure that works well. I do have a hand held radial saw that I can use as a last resort, if need be. I don't have a metal shear or one of those heavy duty paper cutting tables/blade thingies.

73,
Kory
AC6RN

--
Kory Hamzeh
ICQ # 133630494
http://www.avatar.com/
http://www.metaphysical-store.com/

Date: Thu, 11 Apr 2002 15:30:07 -0400 (EDT)
From: <jhisson1@columbus.rr.com>
To: <qrp-l@Lehigh.EDU>
Subject: [124434] Weird one for you...
Message-ID: <Pine.LNX.4.33.0204111523370.14249-100000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi gang,

I recently built a Tiny Tornado kit and mounted it in the venerable Altoids Tin. However, I noticed something very strange. When I place the 9 volt battery into the tin, I am finding the battery is shorting (no sound from speaker plus a warm battery :) I thought for sure that it was a mistake on my part. I checked my work, and found that there are no shorts. In fact, when the battery is sitting on a non-conductive surface it works fine (plus the PCB is not shorting because I am using two sided foam tape for the mounting.)

I investigated the battery itself and I am showing low resistance from the
battery casing to the positive terminal! No conductivety to the negative
terminal with the casing. So with that discovery, no wonder it is
shorting on the negative connection to the Altoids case. Is this
indicative of a bad battery?

Thanks!!

--
Jason Hissong
N8XE
K2 #1270
FISTS #6338
FP #443

"Give me ambiguity or give me something else."

Date: Thu, 11 Apr 2002 15:35:40 -0400
From: "carl seyersdahl" <carlseye@tampabay.rr.com>
To: <jhisson1@columbus.rr.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [124435] Re: Weird one for you...
Message-ID: <018201c1e190$104e6d40$d2af2341@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I would say you have a bad battery, I just checked one I have here and see
no resistance on the 100k scale!!!
   carl / kz5ca
----- Original Message -----
From: <jhisson1@columbus.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, April 11, 2002 3:30 PM
Subject: Weird one for you...

> Hi gang,
>
> I recently built a Tiny Tornado kit and mounted it in the venerable
> Altoids Tin. However, I noticed something very strange. When I place the
> 9 volt battery into the tin, I am finding the battery is shorting (no
> sound from speaker plus a warm battery :) I thought for sure that it was
> a mistake on my part. I checked my work, and found that there are no

> shorts. In fact, when the battery is sitting on a non-conductive surface
> it works fine (plus the PCB is not shorting because I am using two sided
> foam tape for the mounting.)
>
> I investigated the battery itself and I am showing low resistance from the
> battery casing to the positive terminal! No conductivety to the negative
> terminal with the casing. So with that discovery, no wonder it is
> shorting on the negative connection to the Altoids case. Is this
> indicative of a bad battery?
>
> Thanks!!
>
> --
> Jason Hissong
> N8XE
> K2 #1270
> FISTS #6338
> FP #443
>
> "Give me ambiguity or give me something else."
>

Date: Thu, 11 Apr 2002 15:34:59 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [124436] Re: Cutting PCB Material
Message-ID: <5.1.0.14.1.20020411153106.00a77e60@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 12:27 PM 4/11/2002 -0700, you wrote:
>I ended up order a 24" x 36" PCB for $29.00. Not a great price, but I can
>cut the boards to the size that I want. Now, I remember reading something on
>this list a while back about scoring the PCB with a sharp knife and then
>just breaking the board at the scored mark. I did a web search and didn't
>find anything. I wonder if that is a procedure that works well. I do have a
>hand held radial saw that I can use as a last resort, if need be. I don't
>have a metal shear or one of those heavy duty paper cutting tables/blade
>thingies.

Kory,

If it's glass-epoxy board you might not be happy with the results from
scoring and snapping it. For thin (less than 1/16th of an inch) material I
use a good pair of kitchen shears. (Don't tell my wife.) I think Ir ead

somehwere you could use a good set of tin snips, but when I tried it with my Dad's so-so quality snips it just sort of shredded the edge of the board.

Maybe a coping saw or hacksaw? Or a nibbling tool - and save all the slugs for Manhattan pads.

Dave

"You can fool some of the people all of the time. That's enough to make a living." - Lance Burton
---
Dave Hinerman
WD8CIV@worldnet.att.net

Date: Thu, 11 Apr 2002 14:39:22 -0500
From: Gary Lee <kb9zuv@arrl.net>
To: qrp-l@lehigh.edu
Subject: [124437] bbc freq
Message-ID: <3.0.6.32.20020411143922.0079e7a0@mailhost.ind.ameritech.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

In indiana, 6175 kc from about 23:00 to 05:00. Also 63?? don't remember that, it is new to me, and haven't worked it out exactly. Also, 9410, and 15,260. Don't remember the times on these. Try to remember to look for more Sunday..

Hope this helps.

Gary Lee
Ball State University
765-285-1310

Date: Thu, 11 Apr 2002 15:46:55 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <jhisson1@columbus.rr.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [124438] Re: Weird one for you...
Message-ID: <003401c1e191$ab33f0e0$0600a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;

```
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Uh, have you tried another battery yet?

Mike

----- Original Message -----
From: <jhisson1@columbus.rr.com>


> Hi gang,
>
> I recently built a Tiny Tornado kit and mounted it in the venerable
> Altoids Tin.  However, I noticed something very strange.  When I place
the
> 9 volt battery into the tin, I am finding the battery is shorting (no
> sound from speaker plus a warm battery :)  I thought for sure that it
was
> a mistake on my part.  I checked my work, and found that there are no
> shorts.  In fact, when the battery is sitting on a non-conductive
surface
> it works fine (plus the PCB is not shorting because I am using two sided
> foam tape for the mounting.)
>
> I investigated the battery itself and I am showing low resistance from
the
> battery casing to the positive terminal! No conductivety to the negative
> terminal with the casing.  So with that discovery, no wonder it is
> shorting on the negative connection to the Altoids case.  Is this
> indicative of a bad battery?
>
> Thanks!!
>
> --
> Jason Hissong
> N8XE
> K2 #1270
> FISTS #6338
> FP #443
>
> "Give me ambiguity or give me something else."
>
>


------------------------------
```

Date: Thu, 11 Apr 2002 15:48:27 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <kory@avatar.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [124439] Re: Cutting PCB Material
Message-ID: <003e01c1e191$db091e80$0600a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I use a jig saw for most of my PCB cutting...

Maybe it's overkill, but if you got it...

Mike

----- Original Message -----
From: "Kory Hamzeh" <kory@avatar.com>

> I ended up order a 24" x 36" PCB for $29.00. Not a great price, but I
can
> cut the boards to the size that I want. Now, I remember reading
something on
> this list a while back about scoring the PCB with a sharp knife and
then
> just breaking the board at the scored mark. I did a web search and
didn't
> find anything. I wonder if that is a procedure that works well. I do
have a
> hand held radial saw that I can use as a last resort, if need be. I
don't
> have a metal shear or one of those heavy duty paper cutting tables/blade
> thingies.
>
> Kory

Date: Thu, 11 Apr 2002 14:52:11 -0500
From: "Tim, N9PUZ" <N9PUZ@arrl.net>
To: <kory@avatar.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [124440] Re: Cutting PCB Material
Message-ID: <004701c1e192$5efb8020$a400a8c0@EOS>

MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

From: "Kory Hamzeh" <kory@avatar.com>
> find anything. I wonder if that is a procedure that works well. I do have
a
> hand held radial saw that I can use as a last resort, if need be. I don't

If you cut the PCB material with any sort of power saw wear a mask.
Ingesting all that fiberglass dust, etc. isn't good for you.

Tim N9PUZ

Date: Thu, 11 Apr 2002 13:09:20 -0700
From: "Dan Hogan" <dhhogan1@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [124441] Re: Cutting PCB Material
Message-ID: <3CB58B00.3473.83255@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

The best PCB cutting tool I have found is the Wiss M-300 straight cutting
metal shears, $9.95 a couple of years ago at Home Depot.

Dan Hogan WA6PBY
dhhogan1@earthlink.net
West Covina,CA
QRP-L #558

Date: Thu, 11 Apr 2002 13:30:22 -0700
From: "Darrel E. Jones" <wd6bor@vom.com>
To: <dave@redhotradio.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [124442] Re: AOL 7.0 Tin Project?
Message-ID: <019d01c1e198$ac4583c0$c7dd913f@default>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dave,

Something exclusively surface mount would work great. Now where do we put the batteries?

Darrel, WD6BOR
----- Original Message -----
From: Dave Fifield <dave@redhotradio.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Thursday, April 11, 2002 1:23 AM
Subject: AOL 7.0 Tin Project?

> Is anyone working on an AOL 7.0 tin group project?
> I got one in the mail today - it's just begging to have
> something built into it!
>
> 72, Dave, AD6A
>
>
>

Date: Thu, 11 Apr 2002 16:58:34 -0400
From: "Bill, N4QA" <n4qa@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [124443] Re: DDS Pictures...
Message-ID: <F96s5O8reYmKgWAFZMU00001ffd@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Hi, Trev.

Looks like your DDS VFO project is coming along nicely.
I, for one, would like to know:

1) Output frequency and amplitude range.

2) Do you intend to produce this project in kit form, for sale?

3) Tuning rates...memories etc ?

You may already have covered the above and I just missed it.

Several vintage transmitters and receivers of mine have been sitting, waiting, for some time, to be outfitted with an economical, stable vfo.

Keep up the good work.
73.
Bill, N4QA

_____
Send and receive Hotmail on your mobile device: http://mobile.msn.com

---

Date: Thu, 11 Apr 2002 14:01:30 -0700
From: Mighty Mik <mightymik2@attbi.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [124444] Re: Getting ready for the Nor`Easter
Message-ID: <5.1.0.14.0.20020411135552.00b3c7e8@mail.attbi.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I too can vouch for RCI's generosity. :) I have the oh-so-cool RCI
keychain, and a couple of t-shirts. Unfortunately, there's a labo(u)r
strike, so no mailbag. I'll also second someone's suggestion for Passport
To World Band Radio, if you don't already have one.

At 01:08 PM 4/11/2002 -0400, you wrote:

>Bill,
>
>Not to mention all the FREE COOL STUFF you can win! Well, okay, it's not
>very likely but my younger brother, when he was about 12, won a dozen
>record albums from Radio Canada International in a postcard drawing. It
>was interesting hearing them announce his name on an international
>broadcast - especially since they were able to pronounce the family name
>correctly. (It's harder than you think.)
>
>The usual disclaimer: your mileage may vary. But it -is- interesting to
>hear some of the neat stuff that goes on outside the ham bands. I'm
>looking forward to ordering a Nor'Easter kit.
>
>Do you suppose they'll accept PayPal?
>
>Dave
>
>
>--------------------------------------
>"You can fool some of the people all of the time. That's enough to make a
>living." - Lance Burton
>--------------------------------------

>Dave Hinerman
>WD8CIV@worldnet.att.net

Date: Thu, 11 Apr 2002 16:07:56 -0500
From: "Donald Dorn" <DDORN@CWIS.NET>
To: <kory@avatar.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [124445] Re: Cutting PCB Material
Message-ID: <000401c1e19c$f5baeaa0$2569a5d0@computer>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

A hand held jig saw with a close toothed metal cutting blade works very well
to cut copper clad. If you take it slow and easy you can cut surprisingly
straight with it too.
73,
Don   K5AAR

Date: Thu, 11 Apr 2002 21:08:43
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [124446] Interesting Site (HB, Electronic Knowledge, &c.)
Message-ID: <F132v6ZqjwusTDgli5F0000aab7@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Someone asked the other day about sites for homebrewers and for basic
electronic knowledge. The following site may be of interest:

http://www.du.edu/~etuttle/electron/elecindx.htm

____
Get your FREE download of MSN Explorer at http://explorer.msn.com/intl.asp.

Date: Thu, 11 Apr 2002 17:11:25 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu

Subject: [124447] Re: AOL 7.0 Tin Project?
Message-ID: <5.1.0.14.1.20020411171029.00a8b6b0@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 01:30 PM 4/11/2002 -0700, you wrote:
>Dave,
>
>Something exclusively surface mount would work great. Now where do we put
>the batteries?
>
>Darrel, WD6BOR

Darrel,

I'll bet a Polapulse battery (the flat battery from inside a Polaroid film pack) would fit in there.

Dave

"You can fool some of the people all of the time. That's enough to make a living." - Lance Burton
---
Dave Hinerman
WD8CIV@worldnet.att.net

Date: Thu, 11 Apr 2002 14:24:08 -0700
From: "K7FD N7SG" <k7fd@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [124448] Re: Getting ready for the Nor`Easter
Message-ID: <F204LgTgls8W3MQ3lfg0001a945@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

For a great online hourly SWL program guide, check:

http://www.anarc.org/naswa/swlguide/

73 John K7FD/WPE7COH
www.hamhobby.com

_____
Chat with friends online, try MSN Messenger: http://messenger.msn.com

---

Date: Thu, 11 Apr 2002 17:34:30 -0400
From: Pete Burbank <plburbank@kih.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [124449] Re: Cutting PCB Material
Message-ID: <5.0.2.1.0.20020411172258.00aa4890@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 01:09 PM 4/11/2002 -0700, Dan Hogan wrote:
>The best PCB cutting tool I have found is the Wiss M-300 straight cutting
>metal shears, $9.95 a couple of years ago at Home Depot.
>
>Dan Hogan WA6PBY
>dhhogan1@earthlink.net
>West Covina,CA
>QRP-L #558

I use a straight shear (similar to the Wiss) from True Value....not my band saw as that stuff is death on blades
and as Tim mentioned the dust from sawing is a real hazard. If it needs a touch up with a file, I do that outside and then knock the powder off the file there....not in the house.
Am Sci and Surplus usually has carbide drill bits that hold up pretty well.
73 Pete NV4V

Date: Thu, 11 Apr 2002 14:40:26 -0700
From: Steve Smith <sigcom@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [124450] Re: AOL 7.0 Tin Project?
Message-ID: <20020411.144026.-220313.3.sigcom@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Darrel & Group,

Put them inside the box! The Lithium-Ion cell out of a slim battery pack for the NEXTEL i1000 cel phone is 3.6V @ 500 mAh and is thin enough to fit. Four of 'em make 13.8 Volts. The battery for the Motorola

Micro-TAC and Star-TAC phones is about the same size but I don't know the capacity off the top of my head.

(Please, no whining about the dangers of charging Li-Ion cells.)

73.......Steve 'The Scrounger' Smith
WB6TNL Oxnard, CA USA
"Snort Rosin"

On Thu, 11 Apr 2002 13:30:22 -0700 "Darrel E. Jones" <wd6bor@vom.com> writes:
> Dave,
>
> Something exclusively surface mount would work great. Now where do
> we put
> the batteries?
>
> Darrel, WD6BOR
> ----- Original Message -----
> From: Dave Fifield <dave@redhotradio.com>
> > Is anyone working on an AOL 7.0 tin group project?
> > I got one in the mail today - it's just begging to have
> > something built into it!
> >
> > 72, Dave, AD6A
>

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http://dl.www.juno.com/get/web/.

Date: Thu, 11 Apr 2002 16:43:36 -0500
From: "Gordon Couger" <gcouger@provalue.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [124451] Re: ANAZING ANTENNA DISCOVERY
Message-ID: <1b6201c1e1a1$f2bbc220$ab2dccd0@home>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Proving the old saw that the "RF has to go somewhere" I think most of us that have built low powered tube rigs have worked someone on a light bulb even when the light bulb was connoted almost directly to the transmitter.

I used to do reasonably well with 20 watts on CW in a ground floor apartment made of concrete blocks with a vertical dipole in the corner with tapped coils on each end and enough wire to make it resonate on ten meters stretched along the floor and ceiling and the tapped up the coil for 15 and 20. It didn't do to well on forty but worked OK on 20 and up. If the band was open I could stay busy.

If you can't put up a good antenna put up the best you can and go for it.

Gordon W5RED
From: "Bill Coleman" <aa4lr@arrl.net>

: On 3/28/02 9:43 PM, DENNIS SMITH at ne4o@swbell.net wrote:
:
: >Much to my astonishment the diople worked great as expected, the
: >miracle whip was terrible, but the 200 watt bulb allowed me to work a w0
350
: >miles away, GO FIGURE, Am i missing out on something here folks or is a
: >light bulb a great antenna on 10 HI HI.
:
: Did you use a balun with that light bulb?
:
: Seriously! If not, I'd wager that much of your radiation comes from
: currents flowing on the feedline.
:
: There was a test done several years ago where a fellow set up phased
: light bulbs. Each bulb used a quality Force12 bead balun to avoid any
: possible feedline radiation.
:
: The phased light bulbs certainly worked better than a single light bulb.
: His point was that everything you might use as an antenna works, but that
: some antennas work better than others. Even light bulbs work. They just
: create a lot more illumination and heat than they do radiation of your
: signal.
:
:
:
: Bill Coleman, AA4LR, PP-ASEL   Mail: aa4lr@arrl.net
: Quote: "Not within a thousand years will man ever fly!"
:   -- Wilbur Wright, 1901
:
:

Date: Thu, 11 Apr 2002 17:45:55 -0400

From: "S. Bryan Williams" <sbw1@enter.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [124452] RE: AOL 7.0 Tin Project?
Message-ID: <KCEALKFJOKEDHFPOILMPEEBBCFAA.sbw1@enter.net>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="us-ascii"
Content-Transfer-Encoding: 7bit

Darrel,

Someone at NJQRP (Mike KB3HMR I believe) found out that a 12 volt
battery (of the type used in remote controllers for garage door openers)
fit in quite nicely. I just pulled the batter out of my remote, a
Duracell alkaline, marked as "MN21 12 VOLT" and it does fit in the AOL
7.0 tin I have (though there isn't much clearance).

Bryan
AA3WM

-----Original Message-----
From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
David Hinerman
Sent: Thursday, April 11, 2002 5:11 PM
To: Low Power Amateur Radio Discussion
Subject: Re: AOL 7.0 Tin Project?

At 01:30 PM 4/11/2002 -0700, you wrote:
>Dave,
>
>Something exclusively surface mount would work great. Now where do we
put
>the batteries?
>
>Darrel, WD6BOR

Darrel,

I'll bet a Polapulse battery (the flat battery from inside a Polaroid
film
pack) would fit in there.

Dave

"You can fool some of the people all of the time. That's enough to make
a
living." - Lance Burton

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Thu, 11 Apr 2002 17:51:16 -0400
From: "Tom" <kf4yyd@adelphia.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [124453] Re: Cutting PCB Material
Message-ID: <006a01c1e1a3$01d8d170$9865fea9@yourze8cxvr8tt>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've tried the Wiss straight cut shears on some boards that I picked up at
Radio Shack and all it did was cause the board to crumble, I even tried to
use a nibbler on the stuff with no success. Are the boards they sell
different from what everyone else is using?

Tom kf4yyd

Date: Thu, 11 Apr 2002 17:51:32 -0400
From: Bill Coleman <aa4lr@arrl.net>
To: <w5yr@att.net>,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [124454] Re: Antennas for Field Days
Message-ID: <1020311175127.RAA20298@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 3/25/02 9:15 PM, George, W5YR at w5yr@att.net wrote:

>Stuart has the right idea: broad azimuthal coverage with mostly high
>vertical angle capability and some low-angle coverage. A modest signal
>"everywhere" earns more points overall than a super signal in just a few
>places.

I think also that ideal antennas for Field Day will vary depending on
your geographic location.

For example, what works well in Florida or Southern California may not be
appropriate in Kansas or Pennsylvania. Azmidths and angles are going to
be different in different areas of the continent.

Big scores are going to be predicated on getting a good signal into the
high-population areas of the US/Canada. There are no multipliers for
sections worked, so rate is King.

Bill Coleman, AA4LR, PP-ASEL   Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
            -- Wilbur Wright, 1901

Date: Thu, 11 Apr 2002 21:59:02 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: kory@avatar.com, qrp-l@Lehigh.EDU
Subject: [124455] Re: Cutting PCB Material
Message-ID: <F5LPEhGD1XyCTr9rf3y000049a1@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: "Kory Hamzeh" <kory@avatar.com>
>Reply-To: kory@avatar.com
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: Cutting PCB Material
>Date: Thu, 11 Apr 2002 12:27:06 -0700
>
>
>Hi Everyone,
>
>I ended up order a 24" x 36" PCB for $29.00. Not a great price, but I can
>cut the boards to the size that I want. Now, I remember reading something
>on
>this list a while back about scoring the PCB with a sharp knife and then
>just breaking the board at the scored mark. I did a web search and didn't
>find anything. I wonder if that is a procedure that works well.

That was probably me. I use a Stanley knife, and score the board deeply on
both sides. I usually scribe the board first with a scriber, the knife blade
then doesn't tend to wander. You need to score it two or three times to get
a deep cut so that it snaps cleanly.

It's much easier with SRBP material, but works OK with FR4. The latter is much harder to cut.

Watch your fingers! A former colleague of mine managed to cut the end of his thumb off with a Stanley knife.

73, Leon
--
Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller
My low-cost Altera Flex design kit: http://www.leonheller.com

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Send and receive Hotmail on your mobile device: http://mobile.msn.com

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Date: Thu, 11 Apr 2002 23:31:32 +0100
From: "Ray Goff" <radioham@gmx.co.uk>
To: "QRL-L List" <qrp-l@Lehigh.EDU>
Subject: [124456] RE: Cutting PCB Material
Message-ID: <FDEOKGEJJFNPABJIJGDDMEENEBAA.radioham@gmx.co.uk>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have used a small table top circular saw designed for cutting ceramic tiles. I bought is it as part of the last tiling project with the expressed intention of using it to cut PCB material.

The unit I have has an adjustable cutting guide and is designed to have the blade running through a trough of water which certainly cuts down on the amount of dust that is generated. Price in the UK was 49 pounds which should equate to dollars in the US...

The XYL never did figure out why I was so enthusiastic to tile the kitchen...

73/72's de Ray g4fon

RSGB, BATC, GQRP-10698
QRP-L 2378, QRP-ARCI 11153
ray@g4fon.co.uk
www.g4fon.co.uk

-----Original Message-----
From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of Kory Hamzeh
Sent: 11 April 2002 20:27
To: Low Power Amateur Radio Discussion
Subject: Cutting PCB Material

Hi Everyone,

I ended up order a 24" x 36" PCB for $29.00. Not a great price, but I can cut the boards to the size that I want. Now, I remember reading something on this list a while back about scoring the PCB with a sharp knife and then just breaking the board at the scored mark. I did a web search and didn't find anything. I wonder if that is a procedure that works well. I do have a hand held radial saw that I can use as a last resort, if need be. I don't have a metal shear or one of those heavy duty paper cutting tables/blade thingies.

73,
Kory
AC6RN

--
Kory Hamzeh
ICQ # 133630494
http://www.avatar.com/
http://www.metaphysical-store.com/

Date: Thu, 11 Apr 2002 15:49:13 -0700
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: <n4qa@hotmail.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [124457] Re: DDS Pictures...
Message-ID: <00ac01c1e1ab$1a7f6ba0$9f9ab2d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Bill,

> 1) Output frequency and amplitude range.

The frequency range is from 1 Hz to 40 MHz. The output is 1 Vpp from a MMIC into 50 ohms.
>
> 2) Do you intend to produce this project in kit form, for sale?

If I get enough interrest and also if I can keep the price reasonable for the end user. If not, all the details will be put up on the web along with code for the CPU, so that someone could build their own. If the latter option is done, I may offer just the boards and maybe a partial kit. Most of the parts are available from Digi-Key or Mouser.

> 3) Tuning rates...memories etc ?

Features in a nutshell:
Adjustable tuning steps from 1 Hz to 1 MHz
51 frequency memories, memory 0 being the startup frequency.
2 Programable frequency Offsets (+RX Offset and +/-/0 CW Offset)
Split Mode - both frequencies independantly adjustable and both displayed
Built in calibrate mode
Sofware updates via connection to a PC parllel port

I hope to have a web site up soon with a lot more detail (It's just a matter of time and having enough of it, Hi!).

Speaking of Vintage radios, I've used this VFO to drive my Viking II and it works great! I've also built up a Small Wonder Labs SW-40+ minus the VFO and TX mixer and used the DDS Signal Generator to drive it as well. It also worked great, and was a really good test of the offset features.

73's
Trev
KG6CYN

Date: Thu, 11 Apr 2002 15:58:35 -0700
From: Conrad Weiss <radman@best.com>
To: "'Tom'" <kf4yyd@adelphia.net>,
        Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [124458] RE: Cutting PCB Material
Message-ID: <01C1E171.BD65BD40@209-162-50-187.thegrid.net>

Tom et al,

If you're cutting RS proto-board (the brown-perff stuff that's made of very old, highly-compressed, stale Graham crackers) - YES, it's normal for that "material" to easily crumble ;) That material, while handy to buy at 9:00pm, is *very* low-strength board. Try scoring the board with a sharp utility knife and a steel-edged rule. It should break cleanly.

Sounds like most of this cutting discussion is centered around glass reinforced/epoxy boards - which is much stronger than RS proto-board. Epoxy board generally has glass fillaments that are integral to its strength and dull conventional steel blades/saws quickly. The board shops sometimes use a cut-off shear to rough-cut a large board if needed. Then the carbide routers handle the perimeter cuts and 'pockets.'

Three methods for the hobbiest:

1.) The dedicated straight cut shears for Epoxy board - yet they'll get dull in time.
2.) Scoring with an awl or utility knife/steel ruler and 'snapping' the cut line.
3.) Locate the local board shop and make friends with the guys. Add "green stamps" to the beer kitty and they'll take care of you - often giving you a couple of small "free" boards cut to your size!

[Obligatory legal boilerplate: method number >3< is the safest, cheapest and most enjoyable way to go, in my experience...:)]

Be safe es have fun,

Conrad
NN6CW

From: Tom[SMTP:kf4yyd@adelphia.net]
Sent: Thursday, April 11, 2002 2:51 PM
To: Low Power Amateur Radio Discussion
Subject: Re: Cutting PCB Material

I've tried the Wiss straight cut shears on some boards that I picked up at Radio Shack and all it did was cause the board to crumble, I even tried to use a nibbler on the stuff with no success. Are the boards they sell different from what everyone else is using?

Tom kf4yyd----------

Date: Thu, 11 Apr 2002 17:57:37 -0500
From: Chuck Carpenter <w5usj@9plus.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [124459] AOL 7.0 Tin Project? -- [Batteries for]
Message-ID: <3.0.2.32.20020411175737.0084a410@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

AOL Tin Folks,

I have one of the tins from V6.0 distribution. The depth of this one is
0.375 inches.

Eagle Picher has batteries (pricy) that would work quite nicely in this
depth. One lithium version is 3.5 V at 750 mAH and is 0.25 inches thick.
Mouser part number 521-7PNS4 ($5.65 ea).

Another is called a Magnum and is 3.5 V at 1.6 AH. It's a little larger
but is only 0.28 inches thick. Mouser part number 521-16MS2 ($8.53 ea).

They all have leads and can easily be connected in series for 7 V
operation. The battery cases don't require any special insulation as they
are isolated from the power leads. I'm familiar with battery-powered toll
tags that used the lithiums and had a minimum 5-year life.

>From what I saw of the Nor'Easter, I think a couple of the 3.5 V at 350 mAH
could fit in the Altoids container too. (0.6 x 0.65 x 0.25)

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, SOC #57, 6 Club #201, SMIRK #6275
Zombie #759, QRPp-I #115, COG #11, NETXQRP http://www.netxqrp.org

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End of QRP-L Digest 2522
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